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REMOVAL ACTION COMPLETION REPORT
ASHLAND HOUSING PROJECT
16305, 16309, 16325, 16327, 16331, 16333 KENT AVENUE AND 16375 EAST 14TH STREET
ASHLAND, CALIFORNIA
GEOTRACKER GLOBAL ID #: T10000005055

PREPARED FOR:
Resources for Community Development
2220 Oxford Street
Berkeley, California 94704

PREPARED BY:
Ninyo & Moore
Geotechnical and Environmental Sciences Consultants
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February 18, 2015
Project No. 402090002

February 18, 2015
Project No. 402090002

Ms. Jessica Sheldon
Resources for Community Development
2220 Oxford Street
Berkeley, California 94704

Subject: Removal Action Completion Report
Ashland Housing Project
16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue
And 16375 East 14th Street
Ashland, California

Dear Ms. Sheldon:

Ninyo & Moore is pleased to present this Removal Action Completion Report (RACR) for the subject site in general accordance with the authorization of Resources for Community Development (RCD). This RACR documents the water cistern abandonment, soil excavation and off-site disposal, and confirmation sampling activities performed at the Ashland Housing Project property located at 16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue and 16375 East 14th Street in the unincorporated community of Ashland, Alameda County, California. Field activities were performed in general accordance with Ninyo & Moore's Interim Removal Action Plan dated November 26, 2013, which was approved by RCD and Alameda County Environmental Health. This report also summarizes the previous findings, opinions, and conclusions regarding the environmental status of the site, and presents our methodology, findings and conclusions regarding the site remediation.

Should you have any questions regarding this RACR or need additional information, please contact the undersigned at your convenience.

Sincerely,
NINYO & MOORE

Peter Sims
Project Environmental Geologist

Kris M. Larson, PG 8059
Principal Environmental Geologist

PDS/KML/cio

Distribution: (1) Addressee (via e-mail)
(1) Jerry Wickham (via e-mail)

rcd
Creating & Preserving Affordable Housing

February 17, 2015
Project No. 402090002

To: Mr. Jerry Wickham, California PG 3766, CEG 1177, and CHG 297
Senior Hazardous Materials Specialist
Alameda County Environmental Health Services
1131 Harbor Bay Parkway, Suite 250
Alameda, California 94502-6577

Re: Perjury Statement
Removal Action Completion Report
16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue
and 16375 East 14th Street
Ashland, California 93245

I declare, under penalty of perjury, that the information or recommendations contained in the attached report are true or correct to the best of my knowledge.

Jessica Sheldon
Resources for Community Development
2220 Oxford Street
Berkeley, California 94704

Resources for Community Development
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EXECUTIVE SUMMARY

Ninyo & Moore Geotechnical and Environmental Sciences Consultants (Ninyo & Moore) has prepared this Removal Action Completion Report (RACR) to document the removal action (RA) performed at the Ashland Housing Project property located at 16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue and 16375 East 14th Street in the unincorporated community of Ashland, Alameda County, California (site, Figure 1). The RA was performed in general accordance with Ninyo & Moore's Interim Removal Action Plan (IRAP) dated November 26, 2013, which was approved by Resources for Community Development (RCD) and Alameda County Environmental Health (ACEH).

The site is approximately two-acres in area and formerly occupied by one two-story residence (a converted barn) and six single-story residences comprising approximately 8,000 square-feet of building space, 740 square-feet of shower/bathroom buildings, a carport, multiple mobile homes, several storage sheds, asphalt and gravel driveways, and parking areas (Figure 2). The site is located in a mixed commercial/residential area of Ashland.

Phase I ESA environmental investigations performed at the site were conducted by RGA Environmental (RGA Environmental, 2011) and Belinda P. Blackie, PE, REA (Blackie, 2012a and 2012b). These Phase I ESAs reported that the site was first occupied by field crops and orchards as early as the late 1930s until the early 1950s. Site structures were constructed from as early as the 1930s to the early 1990s, the carport structure was built in the late 1940s to early 1950s, and the trailer park and associated showers/bathrooms were constructed as early as 1954. Based on the Phase I ESAs, the following Recognized Environmental Conditions (RECs) were identified:

- One rusted 55-gallon drum, several containers of paint thinner, and an abandoned vehicle in the overgrown area south of the building on the 16325 Kent Avenue property;
- One 55-gallon drum leaking a tar-like substance and several containers of unidentified oily material located in the carport area in the northwestern portion of the site;

- Potential heating oil underground storage tanks (USTs) at 16325, 16327, and 16331 Kent Avenue; and
- Lead (from lead based paint) and pesticides (from previous agricultural use) in site soils.

In addition, a 2-foot diameter water cistern west of the 16309 Kent Avenue building, a potential water well at 16331 Kent Avenue, and a former UST southwest of the barn building (Figure 2) were identified in the Phase I ESAs, but were not listed as RECs.

Based on the RECs discussed above, Ninyo & Moore conducted a series of Phase II ESA investigations which identified three areas of impacted soil including the Carport Area, and two areas in the vicinity of the former 16331 Kent Avenue building. A summary of the areas follows.

- An area of approximately 5 feet by 5 feet centered on boring CP3 within the former Carport Area (Figure 3) was characterized as being impacted by petroleum hydrocarbons and lead to a depth of approximately 3 feet below ground surface (bgs).
- An area of approximately 5 feet by 5 feet centered on boring L10 on the northwest side of the former 16331 Kent Avenue building (Figure 4) was characterized as being impacted by lead to a depth of approximately 2 feet bgs.
- An area of approximately 1,400 square feet containing boring L13 on the south side of the former 16331 Kent Avenue building (Figure 5) was characterized as being impacted by lead, arsenic, and petroleum hydrocarbons to a depth of 2 feet bgs. An approximately 8 feet by 8 feet area, which included borings L13-S15 and L13-7.5, was also characterized as being impacted by petroleum hydrocarbons to a depth of 3 feet bgs.

Based on the findings of the Phase II ESA investigations, RCD and ACEH determined that removal action (RA) was required to prepare the site for use as a residential property. As part of the removal action, Ninyo & Moore prepared an Interim Removal Action Plan (IRAP) which presented excavation and off-site disposal as the appropriate remedial alternative. Ninyo & Moore implemented the IRAP by performing removal action oversight, confirmation sampling, stockpile sampling for on-site reuse and waste classification, and oversight of abandonment of a two-foot diameter water cistern (Figure 2) in accordance with ACEH directives and Alameda County Public Works permit requirements. No evidence of the potential water well at 16331 Kent Avenue was found during the RA or subsequent site development activities.

Removal actions commenced on site when approximately 236 cubic yards (375 tons) of soil impacted with total petroleum hydrocarbons, arsenic, and lead generated during the RA and utility trenching were removed from the site between April 7 and December 17, 2014. In order to confirm removal of site soils impacted above cleanup goals (CGs) established in the IRAP, sidewall and bottom confirmation soil samples were collected subsequent to RA activities and the sample data were reviewed. Based on the confirmation sample data, the CG for all contaminants of concern were met. The results of the RA excavation and confirmation sampling activities indicate that the site has been remediated to meet the requirements presented in the ACEH approved IRAP.

In addition to the removal actions discussed above, approximately 2,980 cubic yards (4,470 tons) of soil excavated during utility trenching in Kent Avenue and excavation for cellcrete fill within the Building A footprint at the site were designated as acceptable for reuse on-site.

1. INTRODUCTION

Ninyo & Moore has prepared this Removal Action Completion Report (RACR) to document the removal action (RA) performed at the Ashland Housing Project property located at 16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue and 16375 East 14th Street in the unincorporated community of Ashland, Alameda County, California (site). The RA was performed in general accordance with the guidelines presented in Ninyo & Moore's Interim Removal Action Plan (IRAP) dated November 26, 2013, which was approved by Resources for Community Development (RCD) and Alameda County Environmental Health (ACEH).

2. SITE BACKGROUND

The following sections describe the location, description, and historical background of the site.

2.1. Site Description

The site is approximately two-acres in area and prior to the RA was occupied by one two-story residence (a converted barn) and six single-story residences comprising approximately 8,000 square-feet of building space, 740 square-feet of shower/bathroom buildings, a carport, multiple mobile homes, several storage sheds, asphalt and gravel driveways, and parking areas. Prior to the RA, the site structures and pavement were removed. The site is located in a mixed commercial/residential area of Ashland. The site is bordered by a youth center to the northwest, East 14th Street to the northeast, Kent Avenue to the east, residential properties to the south, and baseball fields to the west.

2.2. Topography

According to United States Geological Survey (USGS) 7.5-Minute Series Topographic Map, Hayward, California; the surface elevation at the site is approximately 43 feet above mean sea level (msl). Overall, regional surface slope is towards the northwest.

2.3. Site Geology and Sedimentology

The site is located in the California Coast Range Geologic Province and is underlain by the Franciscan Complex and the Salinian Block. The Salinian block is composed of granitic and

metamorphic rocks, overlain by Cretaceous and Cenozoic sedimentary rocks. The Franciscan complex is composed of oceanic crust material and sedimentary rocks of the late Jurassic and Cretaceous age.

Based on field observations made during the previous Phase II Environmental Site Assessment (ESA) and the review of geotechnical boring logs, material encountered beneath the paved surface on site is primarily silty or sandy clay to a maximum explored depth of 51.5 feet below ground surface (bgs). Copies of the soil boring logs for previous geotechnical and environmental borings (B-1 through B-3, OG2 and CP2) as well as borings C1 and U1 are presented in Appendix A.

2.4. Site Hydrogeology

Groundwater was encountered during the previous Phase II ESA in borings OG2 and CP2 at approximately 6 and 8 feet bgs, respectively. The groundwater flow direction is anticipated to be towards the northwest, following the topography of the area. According to the Regional Water Quality Control Board (RWQCB), Water Quality Control Plan for the San Francisco Basin, the site is located in the East Bay Plan Sub-basin of the Santa Clara Valley Basin.

2.5. Surface Water Bodies

Lake Chabot is the closest surface water body and is located approximately 2 miles northeast of the site. San Francisco Bay is located approximately 4 miles west of the site.

2.6. Previous Environmental Investigations

Multiple previous environmental investigations have been performed at the site including Phase I and Phase II ESAs.

2.6.1. Phase I ESAs

Previous Phase I ESA environmental investigations performed at the site were conducted by RGA Environmental (RGA Environmental, 2011) and Belinda P. Blackie, PE, REA (Blackie, 2012a and 2012b). These Phase I ESAs reported that the site was

first occupied by field crops and orchards as early as the late 1930s until the early 1950s. Site structures were constructed from as early as the 1930s to the early 1990s, the carport structure was built in the late 1940s to early 1950s, and the trailer park and associated showers/bathrooms were constructed as early as 1954.

Based on the Phase I ESAs, the following Recognized Environmental Conditions (RECs) were identified:

- One rusted 55-gallon drum, several containers of paint thinner, and an abandoned vehicle in the overgrown area south of the building on the 16325 Kent Avenue property;
- One 55-gallon drum leaking a tar-like substance and several containers of unidentified oily material located in the carport area in the northwestern portion of the site;
- Potential heating oil underground storage tanks (USTs) at 16325, 16327, and 16331 Kent Avenue; and
- Lead (from lead based paint) and pesticides (from previous agricultural use) in site soils.

In addition, a 2-foot diameter water cistern west of the 16309 Kent Avenue building, a potential water well at 16331 Kent Avenue, and a former UST southwest of the barn building were identified in the Phase I ESAs, but were not listed as RECs.

Based on the RECs discussed above, Ninyo & Moore conducted a series of Phase II ESAs. A summary of the Phase II ESAs are discussed below.

2.6.2. Phase II ESA

Based on the RECs identified in the Phase I ESAs, Ninyo & Moore performed a Phase II ESA dated July 9, 2013. A limited site reconnaissance was included during the July 9th Phase II ESA to evaluate the potential presence of USTs and water wells at the site. No evidence of USTs including: vent pipes, fill pipes, or access ways was observed at the time of the limited site reconnaissance. Other than the 2-foot diameter water cistern

(Figure 2), no evidence of water wells was observed at the time of the site reconnaissance. On May 23, 2013, Ninyo & Moore advanced a total of 29 borings during the initial ESA for the purpose of evaluating soil impacts relating to site RECs (Figures 2 through 5). Two borings were also advanced to groundwater for the collection of groundwater samples (Figure 2). Reported concentrations of constituents of concern (COCs) in soil (Tables 1 and 2) and groundwater (Table 3) samples were below the May 2013 San Francisco Bay RWQCB Environmental Screening Levels (ESLs), Shallow Soils (≤3m bgs) where groundwater is a current or potential source of drinking water (Table A ESLs) or the proposed upper estimate for background arsenic within undifferentiated urban flatland soils (Duverge, 2011), with the exception of three areas, including the Carport Area, and two areas in the vicinity of 16331 Kent Avenue, which are discussed below.

Carport Area – Boring CP3

The soil sample collected from boring CP3 at 0 to 1 feet bgs had reported concentrations of total petroleum hydrocarbons (TPH) as diesel (d), TPH as motor oil (mo), and lead (at 840 milligrams per kilogram [mg/kg], 1,500 mg/kg, and 320 mg/kg, respectively) above the Table A ESLs (Figure 3, Tables 1 and 2). The soil sample collected from boring CP3 at 1 to 2 feet bgs had a reported concentration of TPHd (170 mg/kg) above the Table A ESL. Concentrations of lead were reported below the Table A ESL for the sample collected at CP3 from 1 to 2 feet bgs, so the vertical extent of lead impacts to soil was characterized. Additional sampling was needed to delineate the vertical and lateral extent of TPH and lead impacts and is discussed further in Section 2.6.3.

16331 Site Building – Boring L10

The soil sample collected from boring L10 at 0 to 1 feet bgs had a reported concentration of lead (at 420 mg/kg) above the Table A ESLs (Figure 4, Table 2). Additional sampling was needed to delineate the vertical and lateral extent of lead impacts and is discussed further in Section 2.6.3.

16331 Site Building – Boring L13

Lead was reported at 100 mg/kg above Table A ESLs in the surficial (0 to 1 foot bgs) soil sample collected at boring L13; however, it was reported below Table A ESLs in the 1 to 2 foot bgs sample from boring L13 (Figure 5, Table 2). Additional sampling was needed to delineate the vertical and lateral extent of lead impacts and potential arsenic and TPH impacts and is discussed further in Section 2.6.3.

2.6.3. Supplemental Sampling

A Supplemental Phase II ESA (Ninyo & Moore, 2013b), was performed on July 23, 2103, to collect step out samples in areas of elevated constituents of concern (COCs) centered on boring CP3, L10, and L13.

Carport Area – Boring CP3

Concentrations of TPHd and TPHmo were reported below Table A ESLs for step-out samples collected to two feet bgs within 10 feet of CP3 and CP3A (Table 1, Figure 3), so the lateral and vertical extent of TPH impacts to soil was characterized. Concentrations of lead were reported below the Table A ESL for the sample collected at CP3 from 1 to 2 feet bgs and for step-out samples collected from 0 to 1 foot bgs within 10 feet of CP3 (Table 2, Figure 3), so the lateral and vertical extent of lead impacts to soil was characterized.

16331 Site Building – Boring L10

Step-out and step-down samples at and north of boring L10 had reported concentrations of lead below the Table A ESLs (Table 2, Figure 4), so additional analysis for the vertical and lateral extent of lead was not necessary. Our soil investigation was limited laterally due to surface features south, west and east of the lead impacted soil.

16331 Site Building – Boring L13

Lead was reported below the Table A ESLs for step-out samples collected to 1 foot bgs within 2.5 feet west, east and south of L13 (Table 2, Figure 5), so the lateral and vertical

extent of lead impacts was characterized. No samples were collected to the north due to the presence of the 16331 Kent Avenue building.

Arsenic was reported above the Table A ESLs and the Duverge background level in the surficial soil sample collected at boring L13A; however, arsenic was reported below the Duverge background level in the step-out samples collected to 1 foot bgs within 2.5 feet west, east and south of L13 (Table 2, Figure 5), so the lateral extent of arsenic impacts was characterized.

Surficial step-out samples collected within 2.5 feet west, east and south of L13 had reported concentrations of TPHd and TPHmo, up to 1,200 mg/kg and 4,500 mg/kg, respectively (Table 1, Figure 5). Based on these results, further sampling to define the lateral and vertical extent of TPHd and TPHmo impacts were needed, and is discussed further in Section 2.6.4.

2.6.4. Additional Supplemental Sampling

Based on the need to delineate TPHd and TPHmo impacts in the vicinity of boring L13, as well as ACEH requests to investigate potential soil impacts adjacent to the 2-foot diameter water cistern and in the former UST tank pit (Figure 2) and to perform additional analysis of carport soil samples, Ninyo & Moore performed additional supplemental sampling. On September 25, 2013, Ninyo & Moore conducted the following investigation:

- .Eight step-out borings were advanced to 4 feet bgs in the vicinity of boring L13(Figure 5) ,
- One boring (C1) adjacent to the 2-foot diameter water cistern was advanced to 8 feet bgs (Figure 2), and
- One boring (U1) in the former UST tank pit was advanced to 8 feet bgs (Figure 2).

2.6.4.1. Sample Analytical Results

Boring L13

- Soil samples collected from 0 to 1 feet bgs and 1 to 2 feet bgs in borings L13-N2.5-E10 and L13-S7.5-E30 had reported concentrations of TPHd and TPHmo below the Table A ESLs (Table 1) which delineated the TPH impacts to soil to the east of boring L13.

- Surficial (0 to 1 feet bgs) soil samples in borings L13-S7.5-E10, L13-S7.5-E20, L13-S7.5-W10, and L13-S7.5-W20 had reported concentrations of TPHd and TPHmo above the Table A ESLs (Table 1) leaving the lateral extent of TPH impacts undefined to the west. The definition of the lateral extent of TPH impacts to the south was limited by the property boundary. Confirmation samples collected following remedial excavation were used to confirm that impacted soil was completely removed and are discussed further in Section 3.9 and 3.10.

- Soil samples collected from 1 to 2 feet bgs in borings L13-S7.5-E10, L13-S7.5-E20, L13-S7.5-W10, and L13-S7.5-W20 had reported concentrations of TPHd and TPHmo below the Table A ESLs (Table 1) which delineated the vertical extent of impacts to 1-foot bgs in the area of these borings.

- Soil samples collected from 1 to 2 feet bgs and 2 to 3 feet bgs in boring L13-S5B had reported concentrations of TPHd and TPHmo below the Table A ESLs (Table 1) which delineated the vertical extent of TPH impacts to 1-foot bgs in the area of boring L13-S5B.

- Soil samples collected from 0 to 1 feet bgs and 1 to 2 feet bgs in borings L13-S15 had reported concentrations of TPHd and/or TPHmo above the Table A ESLs (Table 1). Based on this result, the vertical extent of TPH impacts was not delineated in the area of boring L13-S15. Confirmation samples collected following remedial excavation were used to confirm that impacted soil was completely removed and are discussed further in Section 3.9 and 3.10.

2-Foot Diameter Water Cistern

Soil samples collected from 3 to 4 feet bgs and 7 to 8 feet bgs in boring C1 (Figure 2) had reported concentrations of TPHg, TPHd, TPHmo, VOCs, OCPs and Title 22 Metals below the Table A ESLs with the exception of reported concentrations of arsenic which were above the Table A ESLs. However, the reported concentrations of arsenic in samples from boring C1 were below the Duverge background level.

Former Known UST Area

Soil samples collected from 3 to 4 feet bgs and 7 to 8 feet bgs in boring U1 (Figure 2) within the known former UST area had reported concentrations of TPHg, TPHd, TPHmo, VOCs, and Title 22 Metals below the Table A ESLs with the exception of reported concentrations of arsenic which were above the Table A ESLs. However, the reported concentrations of arsenic in samples from boring U1 were below the Duverge background level.

Carport Area Additional Sample Analysis

Arsenic was reported in soil samples CP1-1-2, CP2-1-2, and CP3-1-2 at concentrations above the Table A ESLs, but below the Duverge background level. Other Title 22 Metals, including lead, were either not detected above laboratory reporting limits or reported concentrations were below the Table A ESLs (Table 2).

2.7. Interim Removal Action Plan

Based on data generated during episodes of site assessment, site soil was determined to contain concentrations of lead, arsenic, TPHd, and TPHmo at elevated concentrations exceeding site-specific cleanup goals (CGs) at various locations (see the discussion of CGs in Section 2.9 below). In response to RCD's request for further action at the site to address soils affected with these constituents, an IRAP was prepared by Ninyo & Moore dated November 26, 2013. The IRAP remedial alternative recommended for the site was excavation, transport and disposal of COC impacted soils because it was effective, implementable, and cost-efficient. ACEH conditionally approved the IRAP via a letter dated December 11, 2013.

2.8. Removal Action Objectives (RAOs)

The removal action objectives (RAOs) were to:

- Prevent potential exposure through ingestion, inhalation or direct contact with the shallow soils containing elevated concentrations of COCs that may pose risk to human health;

- Protect human health and the environment by minimizing the generation and release of fugitive dust potentially containing elevated concentrations of COCs into the ambient air;

- Minimize potential migration of elevated concentrations of COCs from soils into air, surface water or groundwater;

- Remove impacted soils that exceed CGs to prevent exposure to excessive COCs (see the discussion of CGs in Section 2.9 below); and

- Obtain a No Further Action (NFA) determination from ACEH for the site based upon the results of the RA.

2.9. Cleanup Goals (CGs)

Potential exposure pathways for receptors (future residents and construction workers) include direct contact (dermal absorption), ingestion, and inhalation of particulates.

Due to the RCD's planned development of the site as a residential property, the RWQCB Environmental Screening Levels for Residential Land Use (ESLs Table A) and the Duverge background level for arsenic were used as the CGs for the site. The Duverge background level for arsenic replaced the ESL for arsenic as the CG.

The following table summarizes the CGs that were established for the site COCs in the IRAP.

Chemical	CG Presented in SCP (mg/kg)	Rationale
Lead	80	May 2013 ESL
Arsenic	11	Duverge, 2011
TPHd	100	May 2013 ESL
TPHmo	500	May 2013 ESL

3. REMOVAL ACTION IMPLEMENTATION

The following sections describe the RA activities performed at the site.

3.1. Remediation Contractor

RCD retained Branagh Inc. (Branagh), a California-licensed contractor, to perform the RA.

3.2. Site Preparation

Prior to the commencement of the RA, Branagh notified Underground Service Alert (USA) to locate known utilities within the area of the RA. Branagh then installed a perimeter security screen fence with a visual plastic barrier, and installed storm water runoff protection. Site structures and pavements were demolished and removed from the site along with site landscaping.

3.3. Permitting

A well destruction permit was obtained by Pitcher Drilling Co. (Pitcher) from the Alameda County Public Works Agency (County) prior to the abandonment of the 2-foot diameter water cistern on site as discussed in further detail in Section 3.4 below. A County grading permit was obtained by the remediation contractor prior to the start of excavation activities.

3.4. Water Cistern Abandonment

On February 19, 2014, abandonment activities were performed for the water cistern located on site (Figure 2). The water cistern was abandoned by Pitcher, a California-licensed well driller, in accordance with County guidelines and with oversight of a County inspector. Groundwater in the water cistern was removed by pumping it into a plastic lined roll-off bin. The water cistern was abandoned by drilling to the total depth of the cistern (approximately 14 feet bgs) with a large diameter 24-inch auger drill. The water cistern contained approximately 2 feet of debris (12 to 14 feet bgs). Native soil was encountered at 14 feet bgs and the boring was terminated after removing all debris from the water cistern and determining that the water cistern did not have a bottom to be removed. The water cistern was then backfilled to 5 feet bgs with cement grout. The brick walls of the cistern were demolished and removed to a depth of 5 feet bgs. The resulting hole was backfilled with

clean fill from 5 feet bgs to the surface. Debris and soil cuttings removed from the cistern were placed in a plastic-lined 20 cubic yard (CY) roll-off bin. Debris and soil cuttings were disposed of by the remediation contractor prior to the RA.

3.5. Removal Action

The RA was performed in general accordance with the IRAP (Ninyo & Moore, 2013c). The excavation areas are presented on Figures 3, 4, and 5 and a photographic log of field activities is provided in Appendix B. The RA excavation work was performed on April 9, 2014.

3.5.1. Soil Excavation and Stockpiling

Excavation was performed to the lateral and vertical limits indicated in the IRAP and shown on Figures 3, 4, and 5. Excavation areas are identified by the nearest former site structure and boring locations (CP3, L10, and L13) that were advanced within the corresponding excavation area during the May 2013 sampling event. Construction equipment, including an excavator, a mini-excavator, and a backhoe, were used to excavate and transfer the impacted soil. At the conclusion of each day, the excavation areas were secured through locked gates to prevent unauthorized entry and protect the public from exposure and injury. The excavations were additionally surrounded by caution tape.

Temporary stockpile staging on plastic sheeting was performed for excavated soil. The stockpiles were covered with plastic sheeting and sandbags when not being added to or transported off site. Six soil stockpiles (SP1 through SP6) were generated from trench excavation in Kent Avenue and East 14th Street prior to the RA and ranged in size from 8 to 45 CY. The existing stockpile of unknown origin (SP7) was approximately 5 CY and was present on the site prior to Ninyo & Moore's first visit to the site on May 23, 2013. At ACEH's request, the stockpile of unknown origin (SP7) was inspected for the presence of debris or construction material as well as soil homogeneity. Stockpile SP7 did not contain debris or construction material and the soil appeared to be homogenous.

Stockpile SP8 was generated from soil excavated from excavation CP3, L10, and L13 and was approximately 108 CY. Following the RA, four stockpiles (SPA, SPB, SPC, and SPD) ranging from approximately 12 to 51 cubic yards were generated from trench excavation in Kent Avenue. Stockpile SPE was generated from approximately 2,800 CY of soil excavated from the Building A footprint (Figure 7) for the placement of cellcrete fill.

3.5.2. Soil Stockpile Sampling

On February 24, 2014, four-point composite samples (Comp-1 through Comp-7) were collected from stockpiles SP1 through SP7 respectively were sampled for potential on-site reuse or off-site disposal. On April 9, 2014, a four point composite sample (COMP8) was collected for waste classification from stockpile SP8. On June 10, and November 5, 7 and 17, 2014, four-point composite samples (COMPA, COMPB, COMPC, and COMPD) were collected from off-site stockpiles SPA, SPB, SPC, and SPD, respectively. Stockpile samples were collected using disposable plastic trowels and transferred directly into laboratory supplied glass jars. The disposable plastic trowels were individually packaged and were disposed of after use at each sample location to minimize the likelihood of cross contamination.

The approximately 2,800 CY within the Building A footprint were sampled in-situ for on-site reuse prior to excavation and temporary stockpiling as SPE. On November 12, 2014, eight borings (DS-1 through DS-8) were advanced to 5 feet bgs within the Building A footprint. Soil samples were collected at 0.5, 1.5, 3.0 and 5.0 feet bgs from each boring using a hand auger and transferred directly into laboratory supplied glass jars. The hand auger was decontaminated with a triple rinse after use at each sample location to minimize the likelihood of cross contamination.

Sample containers were labeled with the sample ID, date, time, and sampler's initials. Samples were then placed in zip-lock type bags, and stored in a cooler with ice for

transport to a California state-certified analytical laboratory, under proper chain of custody procedures.

3.5.3. Stockpile Soil Sample Analysis

The composite samples (Comp-1 through Comp-6) collected from stockpiles SP1 through SP6, respectively, generated from trench excavation in Kent Avenue and East 14th Street were analyzed for TPHg, TPHd, and TPHmo by EPA Method 8015M and Title 22 Metals by EPA Method 6010B/7471. Discrete samples SP1-4, SP2-2, SP3-1, SP4-1, SP5-2, and SP6-3 from stockpiles SP1 through SP6, respectively, were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA Method 8260B.

The composite sample (Comp-7) from the existing stockpile of unknown origin (SP7) was analyzed for TPHg, TPHd, and TPHmo by EPA Method 8015M; Title 22 Metals by EPA Method 6010B/7471; asbestos by California Air Resources Board (CARB) Level A-400; PCBs by EPA Method 8082; OCPs by EPA Method 8081; organophosphorus pesticides by EPA Method 8141; and chlorinated herbicides by EPA Method 8151. A discrete sample (SP7-4) from the existing stockpile of unknown origin (SP7) was analyzed for VOCs by EPA Method 8260B and semivolatile organic compounds (SVOCs) by EPA Method 8270.

Composite samples COMP8 and COMPA collected from stockpiles SP8 and SPA, respectively, were analyzed for TPHg, TPHd, and TPHmo by EPA Method 8015M, BTEX by EPA Method 8260B, and Title 22 Metals by EPA Method 6010B/7471. Because of an elevated lead concentration, sample COMP8 was also analyzed for soluble lead by the Waste Extraction Test (WET).

Composite samples COMPB and COMPC collected from stockpiles SPB and SPC, respectively, were analyzed for TPHd, and TPHmo by EPA Method 8015M and Title 22 Metals by EPA Method 6010B/7471. Discrete sample SPB- 3 and SPC-3 collected from stockpiles SPB and SPC, respectively were analyzed for TPHg and BTEX by EPA Method 8260B.

Composite sample COMPD collected from stockpile SPD was analyzed for TPHd, and TPHmo by EPA Method 8015M and Title 22 Metals by EPA Method 6010B/7471. Discrete sample SPD-4 collected from stockpile SPD was analyzed for TPHg, BTEX, and naphthalene by EPA Method 8260B. Because of an elevated lead concentration, sample COMPD was also analyzed for soluble lead by the WET and the Toxicity Characteristic Leaching Procedure (TCLP).

Within the Building A footprint (Figure 7) to be excavated and stockpiled as SPE, one discrete sample from each boring (DS1 through DS8) was analyzed for TPHg, BTEX, and naphthalene by EPA Method 8260B. Discrete soil samples collected at the same depth from borings DS-1 through DS-4 were combined into four 4-point composite samples (COMPD-0.5, COMPD-1.5, COMPD-3.0, and COMPD-5.0) by the laboratory. Discrete soil samples collected at the same depths from borings DS-5 through DS-8 were combined into four 4-point composite samples (COMPE-0.5, COMPE-1.5, COMPE-3.0, and COMPE-5.0) by the laboratory. Composite samples were analyzed for TPHd and TPHmo by EPA Method 8015 and Title 22 Metals by EPA Method 6010/7471.

3.5.4. On-Site Reuse and Waste Classification of Stockpiled Soil

The analytical results of the on-site reuse and waste classification analyses of stockpile samples are presented in Tables 1 and 2, and the stockpile source, dimensions, volume, tonnage, and reuse or waste classifications are presented in Table 4. Stockpiles SP1, SP3, SP7, SPB, and SPE were acceptable for reuse on the site with no restrictions. Stockpile SPA was acceptable for reuse on the site, but only beneath parking/driveway areas to be covered by concrete or asphalt paving. Stockpiles designated acceptable for on-site reuse are further discussed in Section 3.13. Stockpiles SP2, SP4, SP5, SP8, SPC, and SPD were determined to be unsuitable for on-site reuse and were classified as Class II non-hazardous waste and the disposal of these stockpiles is discussed further in Section 3.6. The analytical results for stockpiles to be disposed off-site were provided to

the landfills selected by the remediation contractor for waste profiling and acceptance purposes.

3.6. Transportation and Disposal

Transportation and disposal activities were performed on April 7, April 17, and December 17, 2014. Each load of soil was documented with a bill of lading for non-hazardous soil. A copy of the waste profile and the waste hauler invoice showing weight for the soil disposed of at the Altamont Landfill is presented in Appendix C. All waste generated from the site was disposed of in accordance with all state and federal requirements.

3.6.1. Landfill Selection

The end destination for non-hazardous waste was Waste Management's Altamont Landfill in Livermore, California. Ninyo & Moore verified that the selected landfill facilities were properly authorized (permitted) to accept the type of waste being disposed by reviewing the permit status of Waste Management's Altamont Landfill on the State of California Solid Waste Information System (SWIS) CalRecycle database (located at http://www.calrecycle.ca.gov/SWFacilities/Directory/search.aspx).

3.6.2. Truck Loading and Decontamination

Soil was loaded into end dump trucks. Trucks drove on clean fill soil adjacent to the stockpiled waste soil, which allowed trucks to drive past the stockpile without contacting the soil to be removed. A truck decontamination area was constructed of rock placed on plastic sheeting near the exit. Following loading, trucks would drive forward to the decontamination area, where any visible soil on the wheels and body of the trucks was removed using hand tools (shovel, broom, etc.) prior to exiting the site. Material removed from the trucks was swept up and returned to the soil being transported off site. Soil loaded into the trucks was secured and covered on site. Following decontamination, trucks were inspected by Ninyo & Moore personnel to verify that loose soil had been sufficiently removed.

3.6.3. Waste Disposal Quantities

Approximately 236 cubic yards (375 tons) of soil excavated from the site were off-hauled and disposed of as non-hazardous waste at Waste Management's Class II Altamont Landfill in Livermore, California.

3.7. Dust Control

Dust control was performed during each day of RA activities, which disturbed impacted soils. Dust-control measures performed by the remediation contractor included the following:

- Applying water on haul roads or paths and excavation areas,
- Operating equipment and vehicles at slow speed,
- Spraying water on excavator buckets during excavation and loading,
- Reducing drop height of excavated soils, and
- Placing tarps over loaded trucks prior to exiting the site.

Misting or wetting of soil was not excessive to the point of creating puddles or runoff.

3.8. ACEH Inspection of Removal Action Excavation

Mr. Jerry Wickham, a project manager with ACEH, visited the site on April 9, 2014, to inspect the site and RA excavations. Mr. Wickham requested that two additional confirmation samples (S6-1 and S7-1) be collected from the north side wall of the excavation at boring L13 and analyzed for TPHd and TPHmo by EPA Method 8015M. The IRAP had not included confirmation samples in these locations because of the presence of the site building at 16331 Kent Avenue. However, the site building at 16331 Kent Avenue had been demolished at the time of the site excavation and the northern sidewall was clear to be sampled. Results of analysis of confirmation samples S6-1 and S7-1 are discussed in Section 3.10.

In addition, Mr. Wickham requested that two soil samples be collected from a 2-feet high soil berm that had previously been obstructed from view and sampling during previous site investigations by the carport. The carport had been demolished and removed from the site at the time of Mr. Wickham's inspection. Ninyo & Moore collected two samples (CP5-0.5 and CP6-0.5) from the berm as shown on Figure 3. The samples were analyzed for arsenic and lead by EPA Method 6010B at Mr. Wickham's request. The results of the sample analysis are presented in Table 2 and displayed on Figure 3. The analytical results from the samples collected from the 2-feet high soil berm in further detail are discussed in Section 3.10.

3.9. Confirmation Sampling

Soil was excavated from the site at three locations. No confirmation samples were collected from the excavation centered on boring CP3 or L10 because the extent of impacted soil was delineated in the prior site investigations. Seven sidewall confirmation samples and one bottom confirmation sample were collected from the excavation in the vicinity of boring L13 (Figure 6).

Confirmation samples were collected using disposable plastic trowels and transferred directly into laboratory supplied glass jars. The disposable plastic trowels were individually packaged and were disposed of after use at each sample location to minimize the likelihood of cross contamination. Sample containers were labeled with the sample ID, date, time, and sampler's initials. Samples were then placed in zip-lock type bags, and stored in a cooler with ice for transport to TestAmerica, a California state-certified analytical laboratory, under proper chain of custody procedures. Sidewall confirmation samples were collected approximately midway between the surface and bottom of the excavation.

3.10. Confirmation Sample Analytical Results

Confirmation samples were analyzed for TPHd and TPHmo by EPA Method 8015M as indicated the IRAP. Confirmation sample analytical results are summarized in Tables 1 and 2, and are also presented on Figure 6. Laboratory analytical reports are presented in

Appendix D. The following sections discuss the confirmation sample analytical results in further detail.

3.10.1. Total Petroleum Hydrocarbons as Diesel

The concentrations of TPHd detected in confirmation samples at locations S1 through S7 and B1 collected from soil remaining on site ranged from not detected above the laboratory reporting limit to 11 mg/kg. All detected concentrations of TPHd were well below the CG of 100 mg/kg.

3.10.2. Total Petroleum Hydrocarbons as Motor Oil

The concentrations of TPHmo detected in confirmation samples at locations S1 through S7 and B1 collected from soil remaining on site ranged from not detected above the laboratory reporting limit to 71 mg/kg. All detected concentrations of TPHmo were well below the CG of 500 mg/kg.

3.10.3. Arsenic

The concentrations of arsenic detected in samples CP5-0.5 and CP6-0.5 collected from the 2-feet high soil berm in the carport area of the site were 5.4 mg/kg and 11 mg/kg, respectively. The detected concentrations of arsenic were well below the CG of 11 mg/kg.

3.10.4. Lead

The concentrations of lead detected in samples CP5-0.5 and CP6-0.5 collected from the 2-feet high soil berm in the carport area of the site were 12 mg/kg and 32 mg/kg, respectively. The detected concentrations of lead were well below the CG of 80 mg/kg.

3.11. Clean Imported Fill Source Evaluation

Clean fill material originating from a property located at 457-475 East Evelyn Avenue in Sunnyvale, California was imported to the site.

A Phase I Environmental Site Assessment (ESA) dated March 5, 2012, was prepared for the 457-475 East Evelyn Avenue property by PII Environmental and reviewed by Ninyo & Moore. The Phase I ESA indicated that this property was undeveloped or agriculture land before being developed for commercial/warehouse use in the 1960s. The office buildings were constructed on the site in approximately 1979. No recognized environmental conditions were identified on the property that would suggest potential environmental impacts to be present in the soil on this property. The office buildings were recently demolished and the property was excavated for the construction of a residential development.

3.11.1. Fill Material Sampling and Analysis

Imported fill materials were sampled and analyzed in general accordance with the DTSC Information Advisory for Clean Imported Fill dated October 2001. Copies of laboratory analytical reports for fill materials are presented in Appendix E. Analytical results for fill material samples were compared to the RWQCB Residential ESLs (ESLs Table A, February 2013). The CG of 11 mg/kg was used as the screening level for arsenic.

In addition to sampling and analyzing the clean fill relative to the DTSC guidelines, the imported fill materials were tested for geotechnical properties to evaluate whether they met RCD's geotechnical specification. Ninyo & Moore and the project civil engineer (Luk and Associates) reviewed the results of the geotechnical testing and approved the fill materials.

On April 25, 2014, Pacific States Environmental (PSE) collected ten soil samples from various locations on the source property from depths ranging from between 1 and 8 feet bgs. A sample location figure is included in Appendix E. The samples were analyzed by TestAmerica, a California state-certified analytical laboratory located in Pleasanton, California, for Title 22 Metals by EPA Method 6010B/7471; TPHg, TPHd, and TPHmo by EPA Method 8015B; SVOCs by EPA Method 8270C SIM; VOCs by EPA Method

8260B, polychlorinated biphenyls (PCBs) by EPA Method 8082, and organochloride pesticides (OCPs) by EPA Method 8081A.

Laboratory analytical results for the fill material revealed non-detectable to low (below the Table A ESLs or the CGs) concentrations for all of the compounds analyzed. The import fill was approved for use at the site in an email from ACEH on June 3, 2014. The laboratory analytical report and tabulated results are presented in Appendix E.

3.12. Backfill and Site Restoration

The following sections describe the placement of clean imported fill material and excavation backfilling activities performed at the site. Imported fill material and reused soil from onsite sources was used to backfill excavations relating to the RA as well as excavations performed for construction purposes such as on-site utility trenching or excavations for placement of cellcrete fill. In addition, imported fill and reused soil from on-site sources was used to raise the elevation of the site by approximately 3.5 feet to facilitate site grading requirements.

3.12.1. Reuse of Soil from On-Site Sources

Stockpiles SP1, SP3, SP7, SPB, and SPE were acceptable for reuse on the site with no restrictions. Stockpile SPA was acceptable for reuse on the site, but only beneath parking/driveway areas to be covered by concrete or asphalt paving. The soil from stockpile SPA was spread in a thin layer on the southern portion of the site to be asphalt paved and used for parking as shown in Appendix E.

3.12.2. Importing of Fill Material and Backfilling Activities

On April 17, 2014, stockpiles SP1, SP3, and SP7 were used to backfill the RA excavations on the site as well as excavations performed for construction purposes.

On June 17, 2014, stockpile SPA was spread in a thin layer on the southern portion of the site (as shown in Appendix E) in an area designated as a parking/driveway area to be covered by concrete or asphalt paving. The stockpile SPA soil was placed to raise the elevation of the site.

Import of approved fill material from the 457-475 East Evelyn Avenue property in Sunnyvale, California, to backfill construction excavations and raise the elevation of the site was performed from June 17 through June 18, 2014, under Ninyo & Moore oversight. The excavated soil was direct loaded onto end-dump trucks at the property in Sunnyvale, California, prior to being imported to the site. Each load of imported fill material was visually inspected to ensure that the fill materials were consistent with the approved fill materials and to evaluate the fill materials for signs of potential environmental impacts, such as staining, odors, or the presence of debris/rubble. The imported fill materials were observed to be consistent with the approved materials and no signs of potential environmental impacts were observed.

On January 20, 2014, stockpiles SPB and SPE were used to backfill the Building A footprint excavation as well as raise the site grade by approximately 3.5 feet.

Trucks carrying fill drove onto the site and emptied the fill soil onto the existing site grade. A bulldozer was used to spread fill materials and a vibratory sheep's foot roller was used to compact the fill. An excavator with a sheep's foot compactor wheel was also used to compact fill in limited access areas. Compaction testing was performed on the fill material using a nuclear gauge and the compaction testing results indicated that the soil met the specification for 90% of the laboratory maximum density in landscape areas and 95% of the laboratory maximum in paved or building areas.

4. CONCLUSIONS AND RECOMMENDATIONS

Based on the confirmation sample data, the CGs for all COCs have been met on site. Based on the site history information, previous investigations, and the results of the RA conducted, we recommend no further action for the site. We recommend that ACEH concur that no further action be required.

5. LIMITATIONS

The environmental services described in this report have been conducted in general accordance with current regulatory guidelines and the standard-of-care exercised by environmental consultants performing similar work in the project area. No other warranty, expressed or implied, is made regarding the professional opinions presented in this report. Variations in site conditions may exist and conditions not observed or described in this report may be encountered during subsequent activities. Please also note that this study did not include an evaluation of geotechnical conditions or potential geologic hazards.

This document is intended to be used only in its entirety. No portion of the document, by itself, is designed to completely represent any aspect of the project described herein. Ninyo & Moore should be contacted if the reader requires any additional information, or has questions regarding content, interpretations presented, or completeness of this document.

Ninyo & Moore's opinions and recommendations regarding environmental conditions, as presented in this report, are based on limited subsurface assessment and chemical analysis. Further assessment of potential adverse environmental impacts from past on-site and/or nearby use of hazardous materials may be accomplished by a more comprehensive assessment. The samples collected and used for testing, and the observations made, are believed to be representative of the area(s) evaluated; however, conditions can vary significantly between sampling locations. Variations in soil and/or groundwater conditions will exist beyond the points explored in this evaluation.

The environmental interpretations and opinions contained in this report are based on the results of laboratory tests and analyses intended to detect the presence and concentration of specific chemical or physical constituents in samples collected from the subject site. The testing and analyses have been conducted by an independent laboratory which is accredited by the EPA or certified by the State of California to conduct such tests. Ninyo & Moore has no involvement in, or control over, such testing and analysis. Ninyo & Moore, therefore, disclaims responsibility for any inaccuracy in such laboratory results.

Our conclusions and recommendations are based on an analysis of the observed site conditions. It should be understood that the conditions of a site could change with time as a result of natural processes or human activities at the subject site or nearby sites. In addition, changes to the applicable laws, regulations, codes, and standards of practice may occur due to government action or the broadening of knowledge. The findings of this report may, therefore, be invalidated over time, in part or in whole, by changes over which Ninyo & Moore has no control.

This report is intended exclusively for use by RCD. Any use or reuse of the findings, conclusions, and/or recommendations of this report by parties other than RCD is undertaken at said parties' sole risk.

6. REFERENCES

Blackie, Belinda P., 2012a, Phase I Environmental Site Assessment, Gaphoor-Bay Signs Property, 16375 East 14th Street, San Leandro, California, dated March 16.

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Ninyo & Moore, 2013a, Phase II Environmental Site Assessment, 16305, 16309, 16325, 16327, 16331, and 16333 Kent Avenue and 16375 East 14th Street, Ashland, California, dated July 9.

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RGA Environmental, 2011, Environmental Site Assessment Report, Ashland Housing Project, 16305, 16309, 16325, 16331, and 16333 Kent Avenue, San Lorenzo, California, dated May 13.

San Francisco Bay Regional Water Quality Control Board (SFRWQCB), 2013, Environmental Screening Levels, dated May.

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
Initial Soil Sampling																						
Composite 1[1]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--
Composite 2[2]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--		--	--	--	--	--	--	--	--	--
OG1-0-1	5/23/2013	0-1.0	ND<1.0	4.4	2.7	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG1-1-2	5/23/2013	1.0-2.0	ND<1.0	4.5	3.9	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG2-0-1	5/23/2013	0-1.0	ND<1.0	5.8	7.5	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG2-1-2	5/23/2013	1.0-2.0	ND<1.0	5.3	3.5	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG3-0-1	5/23/2013	0-1.0	ND<1.0	3.6	2.3	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG3-1-2	5/23/2013	1.0-2.0	ND<1.0	6.8	6.0	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG4-0-1	5/23/2013	0-1.0	ND<1.0	3.4	3.1	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
OG4-1-2	5/23/2013	1.0-2.0	ND<1.0	5.7	4.6	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP1-0-1	5/23/2013	0-1.0	ND<1.0	9.8	11	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP1-1-2	5/23/2013	1.0-2.0	ND<1.0	8.3	8.7	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP2-0-1	5/23/2013	0-1.0	ND<1.0	6.4	5.4	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP2-1-2	5/23/2013	1.0-2.0	ND<1.0	5.6	4.4	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP3-0-1	5/23/2013	0-1.0	ND<1.0	**840**	**1,500**	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP3-1-2	5/23/2013	1.0-2.0	ND<1.0	**170**	290	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP4-0-1	5/23/2013	0-1.0	ND<1.0	7.9	9.0	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
CP4-1-2	5/23/2013	1.0-2.0	ND<1.0	8.4	8.8	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
Composite A[3]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	9.2	7.2	67	9.2	ND
Composite B[4]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	12	10	1.5	19	1.2	ND
Composite C[5]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<1.0	ND
Composite D[6]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite E[7]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite F[8]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G1-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G2-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G3-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G3-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G5-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G5-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G6-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G6-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G7-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G7-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G8-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
G8-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G9-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G9-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L1-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L2-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L3-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L3-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
L4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L5-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L5-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L6-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L6-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L7-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L7-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L8-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L8-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L9-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L9-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L11-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L11-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L12-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L12-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L14-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L14-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Supplemental Step-Out Sampling																						
L10A-0-1	7/23/2013	0-1.0	ND<1.0	25	43	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
L10-N2.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-N5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-N7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13A-0-1	7/23/2013	0-1.0	ND<1.0	**170**	**720**	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-0-1	7/23/2013	0-1.0	--	**270**	**950**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-0-1	9/25/2013	0-1.0	--	7.7	16	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-1-2	9/25/2013	1.0-2.0	--	15	45	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N5-0-1	7/23/2013	0-1.0	--	33	100	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N7.5-0-1	7/23/2013	0-1.0	--	46	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S2.5-0-1	7/23/2013	0-1.0	--	**360**	**1,200**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5-0-1	7/23/2013	0-1.0	--	**1,200**	**4,500**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5B-1-2	9/25/2013	1.0-2.0	--	7.3	18	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
L13-S5B-2-3	9/25/2013	2.0-3.0	--	5.8	10	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5B-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-0-1	7/23/2013	0-1.0	--	**1,100**	**4,100**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-0-1	9/25/2013	0-1.0	--	**140**	**610**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-1-2	9/25/2013	1.0-2.0	--	21	76	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-0-1	9/25/2013	0-1.0	--	**140**	**690**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-1-2	9/25/2013	1.0-2.0	--	14	44	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-0-1	9/25/2013	0-1.0	--	32	94	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-1-2	9/25/2013	1.0-2.0	--	18	49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
L13-S7.5-E30-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-0-1	9/25/2013	0-1.0	--	**170**	**700**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-1-2	9/25/2013	1.0-2.0	--	7.5	9.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-0-1	9/25/2013	0-1.0	--	**620**	**2,600**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-1-2	9/25/2013	1.0-2.0	--	11	34	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-0-1	9/25/2013	0-1.0	--	**160**	**630**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-1-2	9/25/2013	1.0-2.0	--	**120**	**510**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-W2.5-0-1	7/23/2013	0-1.0	--	59	140	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-W5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-W7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3A-2-3	7/23/2013	2.0-3.0	--	2.5	3.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3A-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-0-1	7/23/2013	0-1.0	--	6.2	14	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-1-2	7/23/2013	1.0-2.0	--	3.8	6.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-0-1	7/23/2013	0-1.0	--	3.4	6.8	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-1-2	7/23/2013	1.0-2.0	--	1.6	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
CP3-S15-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-0-1	7/23/2013	0-1.0	--	1.6	2.4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-1-2	7/23/2013	1.0-2.0	--	2.4	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
CP3-E15-0-1	7/23/2013	0-1.0		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-1-2	7/23/2013	1.0-2.0		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-0-1	7/23/2013	0-1.0	--	2.6	4.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-1-2	7/23/2013	1.0-2.0	--	2.3	3.6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-3-4	9/25/2013	3.0-4.0	ND<1.0	5.7	9.8	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<1.0	ND
C1-7-8	9/25/2013	7.0-8.0	ND<1.0	5.1	5.9	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	ND<2.0	ND<2.0	ND<1.0	ND<8.5	ND<1.0	ND
U1-3-4	9/25/2013	3.0-4.0	ND<1.0	7.5	9.2	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
U1-7-8	9/25/2013	7.0-8.0	ND<1.0	9.0	9.4	ND	ND	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	--	--	--	--	--	--	--	--	--	--
Stockpile Sampling																						
SP1-4	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
Comp-1	2/19/2014	NA	ND<1.0	22	55	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP2-2	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
Comp-2	2/19/2014	NA	ND<1.0	**170**	**560**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP3-1	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
COMP-3	2/19/2014	NA	ND<1.0	44	150	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP4-1	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
Comp-4	2/19/2014	NA	ND<1.0	98	410	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP5-2	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
Comp-5	2/19/2014	NA	ND<1.0	**170**	**650**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP6-3	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
Comp-6	2/19/2014	NA	ND<1.0	**430**	**1,600**	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SP7-4	2/19/2014	NA	--	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	ND	ND	--	--	--	--	--	--	--	--	--
Comp-7	2/19/2014	NA	ND<1.0	18	69	ND	--	--	--	--	--	--	--	ND	ND	ND	2.2	ND<2.0	ND<1.0	ND<8.5	ND<1.0	ND
COMP8	4/9/2014	NA	ND<0.25	18	130	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
COMPA	6/10/2014	NA	ND<1.0	56	120	--	--	ND<5.0	ND<5.0	ND<5.0	ND<10	--	--	--	--	--	--	--	--	--	--	--
SPB-3	11/15/2014	NA	ND<0.23	--	--	--	--	ND<4.6	ND<4.6	ND<4.6	ND<9.2	--	--	--	--	--	--	--	--	--	--	--
COMPB	11/5/2014	NA	--	23	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SPC-3	11/7/2014	NA	ND<0.25	--	--	--	--	ND<4.9	ND<4.9	ND<4.9	ND<9.8	--	--	--	--	--	--	--	--	--	--	--
COMPC	11/7/2014	NA	--	85	430	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SPD-4	11/17/2014	NA	ND<0.25	--	--	--	--	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg)	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
COMPD	11/17/2014	NA	--	110	320	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
In-Situ Sampling for On-Site Reuse																						
DS1-0.5	11/12/2014	NA	ND<0.25	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND	--	--	--	--	--	--	--	--	--	--
COMPD-0.5	11/12/2014	NA	--	19	90	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS2-1.5	11/12/2014	NA	ND<0.24	--	--	--	--	ND<4.7	ND<4.7	ND<4.7	ND<9.5	ND										
COMPD-1.5	11/12/2014	NA	--	4.4	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS3-3.0	11/12/2014	NA	ND<0.23	--	--	--	--	ND<4.7	ND<4.7	ND<4.7	ND<9.3	ND										
COMPD-3.0	11/12/2014	NA	--	1.3	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS4-5.0	11/12/2014	NA	ND<0.23	--	--	--	--	ND<4.7	ND<4.7	ND<4.7	ND<9.4	ND										
COMPD-5.0	11/12/2014	NA	--	ND<0.99	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS5-0.5	11/12/2014	NA	ND<0.25	--	--	--	--	ND<4.9	ND<4.9	ND<4.9	ND<9.8	ND	--									
COMPE-0.5	11/12/2014	NA	--	7.3	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS6-1.5	11/12/2014	NA	ND<0.25	--	--	--	--	ND<4.9	ND<4.9	ND<4.9	ND<9.9	ND										
COMPE-1.5	11/12/2014	NA	--	ND<0.99	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS7-3.0	11/12/2014	NA	ND<0.25	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND										
COMPE-3.0	11/12/2014	NA	--	ND<1.0	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
DS8-5.0	11/12/2014	NA	ND<0.25	--	--	--	--	ND<5.0	ND<5.0	ND<5.0	ND<9.9	ND										
COMPE-5.0	11/12/2014	NA	--	ND<1.0	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 1 - SOIL SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS, POLYNUCLEAR AROMATIC HYDROCARBONS, POLYCHLORNIATED BIPHENYLS, VOLATILE ORGANIC COMPOUNDS, ASBESTOS, ORGANOPHOSPHOROUS PESTICIDES, CHLORINATED HERBICIDES, AND ORGANOCHLORINATED PESTICIDES

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/kg)			PCBs (µg/kg)	PAHs (µg/kg)	VOCs (µg/kg)					SVOCs (ug/kg)	Asbestos (%)	OPPs (ug/kg)	Chlorinated Herbicides (ug/kg	OCPs (ug/kg)					
			TPH as gasoline	TPH as diesel	TPH as motor oil			Benzene	Toluene	Ethylbenzene	Total Xylenes	All Other VOCs					4,4'-DDE	4,4'-DDT	alpha-Chlordane	Chlordane	gamma-Chlordane	All Other OCPs
Confirmation Sampling																						
B1-3	4/9/2014	3.0	--	ND<0.99	ND<49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S1-1	4/9/2014	1.0	--	11	71	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S2-2.5	4/9/2014	2.5	--	ND<0.99	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S3-2.5	4/9/2014	2.5	--	ND<1.0	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S4-2.5	4/9/2014	2.5	--	ND<0.99	ND<49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S5-1	4/9/2014	1.0	--	ND<0.99	ND<49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S6-1	4/9/2014	1.0	--	2.0	ND<49	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S7-1	4/9/2014	1.0	--	3.9	ND<50	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP5-0.5	4/9/2014	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP6-0.5	4/9/2014	0.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Residential ESLs			100	100	500	NA	NA	44	2,900	3,300	2,300	NA	NA	NA	NA	NA	1,700	1,700	NE	440	NE	NA
Commercial/Industrial ESLs			500	500	2,500	NA	NA	44	2,900	3,300	2,300	NA	NA	NA	NA	NA	4,000	4,000	NE	950	NE	NA

Notes:

TPH = Total Petroleum Hydrocarbons by EPA Method 8015B
PCBs = Polychlorinated Biphenyls by EPA Method 8082
PAHs = Polynuclear Aromatic Hydrocarbons by EPA Method 8270-SIM
VOCs = volatile organic compounds analyzed by EPA Method 8260B
Asbestos analyzed by CARB Method 435
OPPs = Organophosphorous pesticides analyzed by EPA Method 8141
OCPs = Organochlorinated pesticides analyzed by EPA Method 8081
ESLs = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels - Shallow Soils (≤3m bgs) - Where Groundwater **IS** a current or potential source of drinking water (May 2013, Table A)
mg/kg – milligrams per kilogram
µg/kg – micrograms per kilogram
1 - Composite 1 was composited by the laboratory from soil samples CP1-0-1, CP2-0-1, CP3-0-1, and CP4-0-1
2 - Composite 2 was composited by the laboratory from soil samples OG1-0-1, OG2-0-1, OG3-0-1, and OG4-0-1
3 - Composite A was composited by the laboratory from soil samples G1-0-1, G2-0-1, and G3-0-1
4 - Composite B was composited by the laboratory from soil samples G4-0-1, G5-0-1, and G6-0-1
5 - Composite C was composited by the laboratory from soil samples G7-0-1, G8-0-1, and G9-0-1
6 - Composite D was composited by the laboratory from soil samples G1-1-2, G2-1-2, and G3-1-2
7 - Composite E was composited by the laboratory from soil samples G4-1-2, G5-1-2, and G6-1-2
8 - Composite F was composited by the laboratory from soil samples G7-1-2, G8-1-2, and G9-1-2
Bold indicates the concentration is above the residential ESL
Shaded indicates the concentration is above the commercial/industrial ESL
-- - Not Analyzed
NA - Not Applicable
NE - Not Established
bgs – below ground surface
ND - Not detected above various laboratory detection limits
<X indicates concentration not detected above the laboratory detection limits of X

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Initial Soil Sampling																					
Composite 1[1]	5/23/2013	0-1.0	ND<2.0	**3.4**	130	ND<1.0	ND<1.0	27	7.9	17	59	--	--	ND<0.10	ND<1.0	33	ND<1.0	ND<1.0	ND<1.0	21	44
Composite 2[2]	5/23/2013	0-1.0	ND<2.0	**4.1**	120	ND<1.0	ND<1.0	3.2	8.5	17	8.2	--	--	ND<0.10	ND<1.0	38	ND<1.0	ND<1.0	ND<1.0	25	40
OG1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG1-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG2-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG3-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG3-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
OG4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP1-1-2	5/23/2013	1.0-2.0	ND<2.0	**4.3**	120	ND<1.0	ND<1.0	34	8.2	16	5.4	--	--	--	ND<1.0	39	1.6	ND<1.0	ND<1.0	29	35
CP2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP2-1-2	5/23/2013	1.0-2.0	ND<2.0	**4.3**	110	ND<1.0	ND<1.0	32	7.5	16	4.8	--	--	--	ND<1.0	37	1.2	ND<1.0	ND<1.0	26	35
CP3-0-1*	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	**320***	8.0*	ND<0.05*	--	--	--	--	--	--	--	--
CP3-1-2	5/23/2013	1.0-2.0	ND<2.0	**3.7**	140	ND<1.0	ND<1.0	34	7.1	16	51	1.1	--	--	ND<1.0	36	ND<1.0	ND<1.0	ND<1.0	28	41
CP4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite A[3]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite B[4]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite C[5]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite D[6]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite E[7]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Composite F[8]	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	21	--	--	--	--	--	--	--	--	--	--
G1-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	1.4	--	--	--	--	--	--	--	--	--	--
G2-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G3-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	14	--	--	--	--	--	--	--	--	--	--
G3-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	44	--	--	--	--	--	--	--	--	--	--
G4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G5-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	27	--	--	--	--	--	--	--	--	--	--
G5-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G6-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--
G6-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G7-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	37	--	--	--	--	--	--	--	--	--	--
G7-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
G8-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--
G8-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
G9-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	4.7	--	--	--	--	--	--	--	--	--	--
G9-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L1-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	78	--	--	--	--	--	--	--	--	--	--
L1-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L2-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	37	--	--	--	--	--	--	--	--	--	--
L2-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L3-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	9.7	--	--	--	--	--	--	--	--	--	--
L3-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L4-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	70	--	--	--	--	--	--	--	--	--	--
L4-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L5-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	16	--	--	--	--	--	--	--	--	--	--
L5-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L6-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	47	--	--	--	--	--	--	--	--	--	--
L6-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L7-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--	--	--
L7-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L8-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	70	--	--	--	--	--	--	--	--	--	--
L8-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L9-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	51	--	--	--	--	--	--	--	--	--	--
L9-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	**420**	2.7	--	--	--	--	--	--	--	--	--
L10-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	13	--	--	--	--	--	--	--	--	--	--
L11-0-1	5/23/2013	0-1.0	--	--	--	--	--	--	--	--	7.3	--	--	--	--	--	--	--	--	--	--
L11-1-2	5/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L12-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	34	--	--	--	--	--	--	--	--	--	--
L12-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	**100**	3.4	--	--	--	--	--	--	--	--	--
L13-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	18	--	--	--	--	--	--	--	--	--	--
L14-0-1	6/13/2013	0-1.0	--	--	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--
L14-1-2	6/13/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Supplemental Step-Out Sampling																					
L10A-0-1	7/23/2013	0-1.0	ND<2.0	**6.0**	160	ND<1.0	ND<1.0	34	8.8	22	27	--	--	ND<0.10	ND<1.0	41	ND<1.0	ND<1.0	ND<1.0	29	95
L10-N2.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	17	--	--	--	--	--	--	--	--	--	--
L10-N5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L10-N7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13A-0-1	7/23/2013	0-1.0	ND<2.0	**18**	180	ND<1.0	ND<1.0	32	7.6	82	73	1.9	--	0.16	ND<1.0	32	ND<1.0	ND<1.0	ND<1.0	26	170
L13-N2.5-0-1	7/23/2013	0-1.0	--	**8.1**	--	--	--	--	--	--	70	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N2.5-E10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-N7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
L13-S2.5-0-1	7/23/2013	0-1.0	--	**6.9**	--	--	--	--	--	--	64	--	--	--	--	--	--	--	--	--	--
L13-S5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5B-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5B-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S5B-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E20-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-E30-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W10-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S7.5-W20-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-0-1	9/25/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-1-2	9/25/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-2-3	9/25/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-S15-3-4	9/25/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-W2.5-0-1	7/23/2013	0-1.0	--	**4.2**	--	--	--	--	--	--	26	--	--	--	--	--	--	--	--	--	--
L13-W5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
L13-W7.5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3A-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3A-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	15	--	--	--	--	--	--	--	--	--	--
CP3-W5-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-W10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	8.4	--	--	--	--	--	--	--	--	--	--
CP3-S5-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
CP3-S5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-S15-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	8.1	--	--	--	--	--	--	--	--	--	--
CP3-E5-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-E15-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	10	--	--	--	--	--	--	--	--	--	--
CP3-N5-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N5-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-0-1	7/23/2013	0-1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-1-2	7/23/2013	1.0-2.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-2-3	7/23/2013	2.0-3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP3-N10-3-4	7/23/2013	3.0-4.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
C1-3-4	9/25/2013	3.0-4.0	ND<2.0	**3.2**	95	ND<1.0	ND<1.0	25	5.6	12	7.1	--	--	ND<0.10	ND<1.0	31	1.6	ND<1.0	ND<1.0	19	30
C1-7-8	9/25/2013	7.0-8.0	ND<2.0	**2.5**	68	ND<1.0	ND<1.0	25	4.1	11	3.0	--	--	ND<0.10	ND<1.0	24	1.4	ND<1.0	ND<1.0	17	24
U1-3-4	9/25/2013	3.0-4.0	ND<2.0	**2.8**	110	ND<1.0	ND<1.0	25	6.5	13	4.5	--	--	ND<0.10	ND<1.0	34	1.6	ND<1.0	ND<1.0	19	28
U1-7-8	9/25/2013	7.0-8.0	ND<2.0	**4.7**	130	ND<1.0	ND<1.0	30	11	15	4.6	--	--	ND<0.10	ND<1.0	41	1.7	ND<1.0	ND<1.0	24	29

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Stockpile Sampling																					
SP1-4	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-1	2/19/2014	NA	ND<2.0	**4.1**	99	ND<1.0	ND<1.0	24	7.3	14	6.5	--	--	ND<0.10	ND<1.0	28	ND<1.0	ND<1.0	ND<1.0	23	40
SP2-2	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-2	2/19/2014	NA	ND<2.0	**4.1**	99	ND<1.0	ND<1.0	25	7.3	16	6.8	--	--	ND<0.10	ND<1.0	29	ND<1.0	ND<1.0	ND<1.0	24	39
SP3-1	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMP-3	2/19/2014	NA	ND<2.0	**3.4**	83	ND<1.0	ND<1.0	19	6.3	13	8.5	--	--	ND<0.10	ND<1.0	23	ND<1.0	ND<1.0	ND<1.0	22	44
SP4-1	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-4	2/19/2014	NA	ND<2.0	**3.6**	77	ND<1.0	ND<1.0	21	8.1	18	14	--	--	ND<0.10	ND<1.0	31	ND<1.0	ND<1.0	ND<1.0	21	38
SP5-2	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-5	2/19/2014	NA	ND<2.0	**3.4**	76	ND<1.0	ND<1.0	28	6.6	20	9.7	--	--	ND<0.10	ND<1.0	28	ND<1.0	ND<1.0	ND<1.0	24	38
SP6-3	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-6	2/19/2014	NA	ND<2.0	**3.6**	68	ND<1.0	ND<1.0	20	6.4	16	6.2	--	--	ND<0.10	ND<1.0	25	ND<1.0	ND<1.0	ND<1.0	24	36
SP7-4	2/19/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
Comp-7	2/19/2014	NA	ND<2.0	**3.6**	97	ND<1.0	ND<1.0	23	7.1	18	11	--	--	ND<0.10	ND<1.0	26	ND<1.0	ND<1.0	ND<1.0	23	37
COMP8	4/9/2014	NA	ND<1.9	**6.9**	210	0.43	0.49	49	13	35	73	0.91	--	0.084	ND<1.9	53	ND<3.9	ND<0.97	ND<1.9	42	110
COMPA	6/10/2014	NA	ND<2.0	**3.3**	65	ND<1.0	ND<1.0	22	7.0	21	33			ND<0.10	ND<1.0	26	ND<1.0	ND<1.0	ND<1.0	23	50
SPB-3	11/15/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPB	11/5/2014	NA	ND<1.9	**5.4**	150	ND<0.38	ND<0.48	45	11	33	20	--	--	0.059	ND<1.9	48	ND<3.8	ND<0.95	ND<1.9	43	72
SPC-3	11/7/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPC	11/7/2014	NA	ND<1.5	**4.5**	120	ND<0.31	ND<0.38	30	8.2	22	7.3	--	--	0.041	ND<1.5	35	ND<3.1	ND<0.77	ND<1.5	33	53
SPD-4	11/17/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPD	11/17/2014	NA	ND<0.47	**4.7**	99	0.21	0.28	29	8.4	29	100	3.8	0.086	0.051	ND<0.47	29	ND<0.93	ND<0.23	ND<0.47	31	82
In-Situ Sampling for On-Site Reuse																					
DS1-0.5	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPD-0.5	11/12/2014	NA	ND<1.8	**6.0**	140	0.50	ND<0.45	31	9.9	23	17	--	--	0.064	ND<1.8	35	ND<3.6	ND<0.90	ND<1.8	37	68
DS2-1.5	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPD-1.5	11/12/2014	NA	ND<0.46	**4.8**	130	0.34	0.26	31	7.8	20	13	--	--	0.059	ND<0.46	35	ND<0.92	ND<0.23	ND<0.46	24	54
DS3-3.0	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPD-3.0	11/12/2014	NA	ND<1.7	**6.0**	170	0.61	ND<0.43	44	10	21	6.8	--	--	0.038	ND<1.7	49	ND<3.4	ND<0.86	ND<1.7	33	67
DS4-5.0	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPD-5.0	11/12/2014	NA	ND<0.47	**4.3**	130	0.32	0.16	30	7.2	15	4.1	--	--	0.031	ND<0.47	34	ND<0.94	ND<0.24	ND<0.47	25	33
DS5-0.5	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPE-0.5	11/12/2014	NA	ND<1.8	**4.6**	110	ND<0.35	ND<0.44	37	11	25	34	--	--	0.087	ND<1.8	37	ND<3.5	ND<0.88	ND<1.8	34	70
DS6-1.5	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPE-1.5	11/12/2014	NA	ND<0.47	**4.5**	130	0.37	0.25	32	8.4	17	5.4	--	--	0.030	ND<0.47	35	ND<0.93	ND<0.23	ND<0.47	24	38
DS7-3.0	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPE-3.0	11/12/2014	NA	ND<0.42	**4.3**	120	0.27	0.16	30	7.1	14	3.6	--	--	0.027	ND<0.42	34	ND<0.83	ND<0.21	ND<0.42	23	31
DS8-5.0	11/12/2014	NA	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
COMPE-5.0	11/12/2014	NA	ND<0.48	**4.5**	100	0.25	0.16	25	6.9	12	3.4	--	--	0.021	ND<0.48	28	ND<0.96	ND<0.24	ND<0.48	23	28

TABLE 2 - SOIL SAMPLE ANALYTICAL RESULTS FOR TITLE 22 METALS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	Analytical Results (mg/kg)																	
			Antimony	Arsenic	Barium	Beryllium	Cadmium	Chromium	Cobalt	Copper	Lead	STLC Lead[11]	TCLP Lead[11]	Mercury	Molybdenum	Nickel	Selenium	Silver	Thallium	Vanadium	Zinc
Confirmation Sampling																					
B1-3	4/9/2014	3.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S1-1	4/9/2014	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S2-2.5	4/9/2014	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S3-2.5	4/9/2014	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S4-2.5	4/9/2014	2.5	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S5-1	4/9/2014	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S6-1	4/9/2014	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
S7-1	4/9/2014	1.0	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
CP5-0.5	4/9/2014	0.5	--	**5.4**	--	--	--	--	--	--	12	--	--	--	--	--	--	--	--	--	--
CP6-0.5	4/9/2014	0.5	--	**4.4**	--	--	--	--	--	--	32	--	--	--	--	--	--	--	--	--	--
Residential ESLs			20	0.39	750	4	12	NE	23	230	80	NA	NA	6.7	40	150	10	20	0.78	200	600
Commercial/Industrial ESLs			40	0.96	1,500	8	12	NE	80	230	320	NA	NA	10	40	150	10	40	10	200	600
Background Concentrations[9]			0.6	3.5 (11[10])	509	1.28	0.36	122	14.9	28.7	48.5	NA	NA	0.26	1.3	57	0.058	0.8	0.56	112	149

Notes:
Metals analyzed by EPA Method 6010B except mercury which was analyzed by EPA Method 7471.
STLC - soluble threshold limit concentration
TCLP - toxicity characteristic leaching procedure
* - Soil sample CP3-0-1 was collected and placed on hold during the previous Phase II ESA and selected for analysis during the Supplemental Phase II ESA.
1 - Composite 1 was composited by the laboratory from soil samples CP1-0-1, CP2-0-1, CP3-0-1, and CP4-0-1
2 - Composite 2 was composited by the laboratory from soil samples OG1-0-1, OG2-0-1, OG3-0-1, and OG4-0-1
3 - Composite A was composited by the laboratory from soil samples G1-0-1, G2-0-1, and G3-0-1
4 - Composite B was composited by the laboratory from soil samples G4-0-1, G5-0-1, and G6-0-1
5 - Composite C was composited by the laboratory from soil samples G7-0-1, G8-0-1, and G9-0-1
6 - Composite D was composited by the laboratory from soil samples G1-1-2, G2-1-2, and G3-1-2
7 - Composite E was composited by the laboratory from soil samples G4-1-2, G5-1-2, and G6-1-2
8 - Composite F was composited by the laboratory from soil samples G7-1-2, G8-1-2, and G9-1-2
9 - Background concentrations taken from Kearney Foundation of Soil Science, *Background Concentrations of Trace and Major Elements in California Soils* , dated March 1996
10 - Proposed upper esitmate for background arsenic within undifferentiated urbanized flatland soils (Duverge, 2011)
11 - Results reported in milligrams per liter
Bold indicates the concentration is above the residential ESL
Shaded indicates the concentration is above the commercial/industrial ESL
mg/kg – milligrams per kilogram
-- - Not Analyzed
NE - Not Established
NA - Not Applicable
bgs – below ground surface
ND<X indicates concentration not detected above the laboratory detection limits of X

TABLE 3 - GROUNDWATER SAMPLE ANALYTICAL RESULTS FOR TOTAL PETROLEUM HYDROCARBONS AND VOLATILE ORGANIC COMPOUNDS

Sample ID	Date Sample Collected	Sample Depth (feet bgs)	TPH (mg/l)			VOCs (µg/l)
			TPH as gasoline	TPH as diesel	TPH as motor oil	All VOCs
OG2-GW	5/23/2013	8.0	ND<0.05	0.07	ND<0.06	ND
CP2-GW	5/23/2013	6.0	ND<0.05	0.09	ND<0.06	ND
ESLs			0.10	0.10	0.10	NA

Notes:

TPH = Total Petroleum Hydrocarbons by EPA Method 8015B

VOCs = volatile organic compounds analyzed by EPA Method 8260B

ESLs = San Francisco Bay Regional Water Quality Control Board Environmental Screening Levels - Where Groundwater **IS** a current or potential source of drinking water (May 2013, Table A)

mg/l – milligrams per liter

µg/l – micrograms per liter

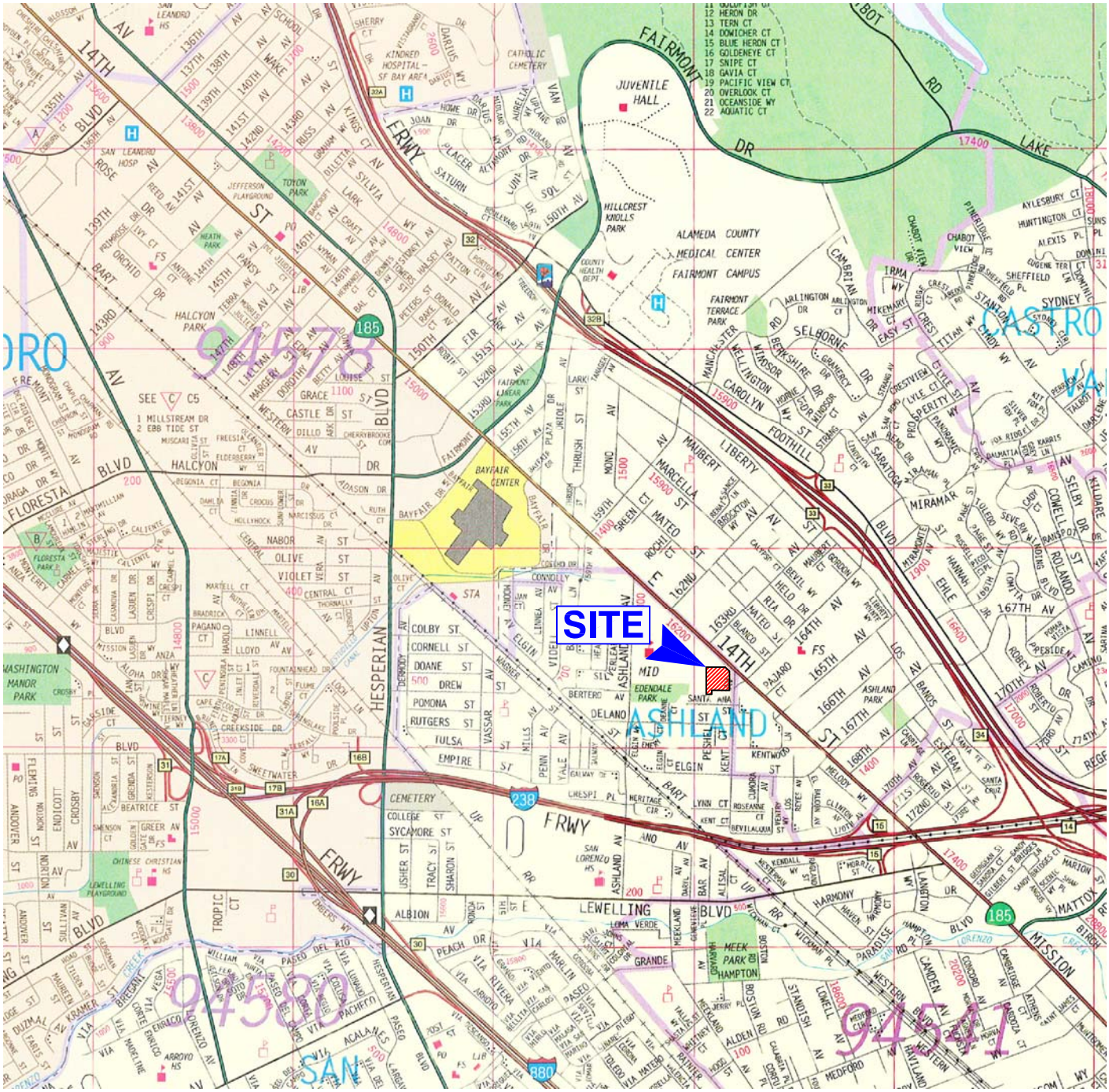
NA - Not Applicable

bgs – below ground surface

ND<X indicates concentration not detected above the laboratory detection limits of X

TABLE 4 - STOCKPILE REUSE AND WASTE CLASSIFICATIONS

Stockpile Identification	Source of Stockpile	Average Length (feet)	Average Width (feet)	Average Height (feet)	Volume (Cubic Yards)	Weight (Tons)	Classification
SP1	Utility trenching in Kent Avenue	24	9.5	6	50.7	76.0	Acceptable for reuse on-site with no restrictions
SP2	Utility trenching in Kent Avenue	7.5	7	5	9.7	14.6	Class II non-hazardous waste
SP3	Utility trenching in Kent Avenue	14	13.5	6.5	45.5	68.3	Acceptable for reuse on-site with no restrictions
SP4	Utility trenching in E. 14th Street	12	8	8	28.4	42.7	Class II non-hazardous waste
SP5	Utility trenching in E. 14th Street	16	10	8	47.4	71.1	Class II non-hazardous waste
SP6	Utility trenching in E. 14th Street	10	7	3	7.8	11.7	Class II non-hazardous waste
SP7	Existing stockpile of unknown origin	9	5	3	5.0	7.5	Acceptable for reuse on-site with no restrictions
SP8	On-site remedial excavation	26	16	7	107.9	183.3	Class II non-hazardous waste
SPA	Utility trenching in Kent Avenue	8	8	5	11.9	17.8	Acceptable for reuse on-site only within parking/driveway areas covered by asphalt or concrete paving
SPB	Utility trenching in Kent Avenue	23	12	5	51.1	76.7	Acceptable for reuse on-site with no restrictions
SPC	Utility trenching in Kent Avenue	15	10	4	22.2	33.3	Class II non-hazardous waste
SPD	Utility trenching in Kent Avenue	14	8	3	12.4	18.7	Class II non-hazardous waste
SPE	Excavation in Building A footprint for cellcrete pour	100	95	8	2,814.8	4,222.2	Acceptable for reuse on-site with no restrictions
				Total	**3,215**	**4,844**	
				Total resuse with no restrictions	**2,967**	**4,451**	
				Total reuse with restrictions	**12**	**18**	
				Total Class II	**236**	**375**	



REFERENCE: METRO AREAS OF ALAMEDA, CONTRA COSTA, MARIN, SAN FRANCISCO, SAN MATEO, AND SANTA CLARA COUNTIES, THOMAS GUIDE, 2008.

N

SCALE IN FEET

0 2,000 4,000

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	SITE LOCATION	FIGURE
PROJECT NO. 402090002 / DATE 2/15	ASHLAND HOUSING PROJECT 16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET ASHLAND, CALIFORNIA	1

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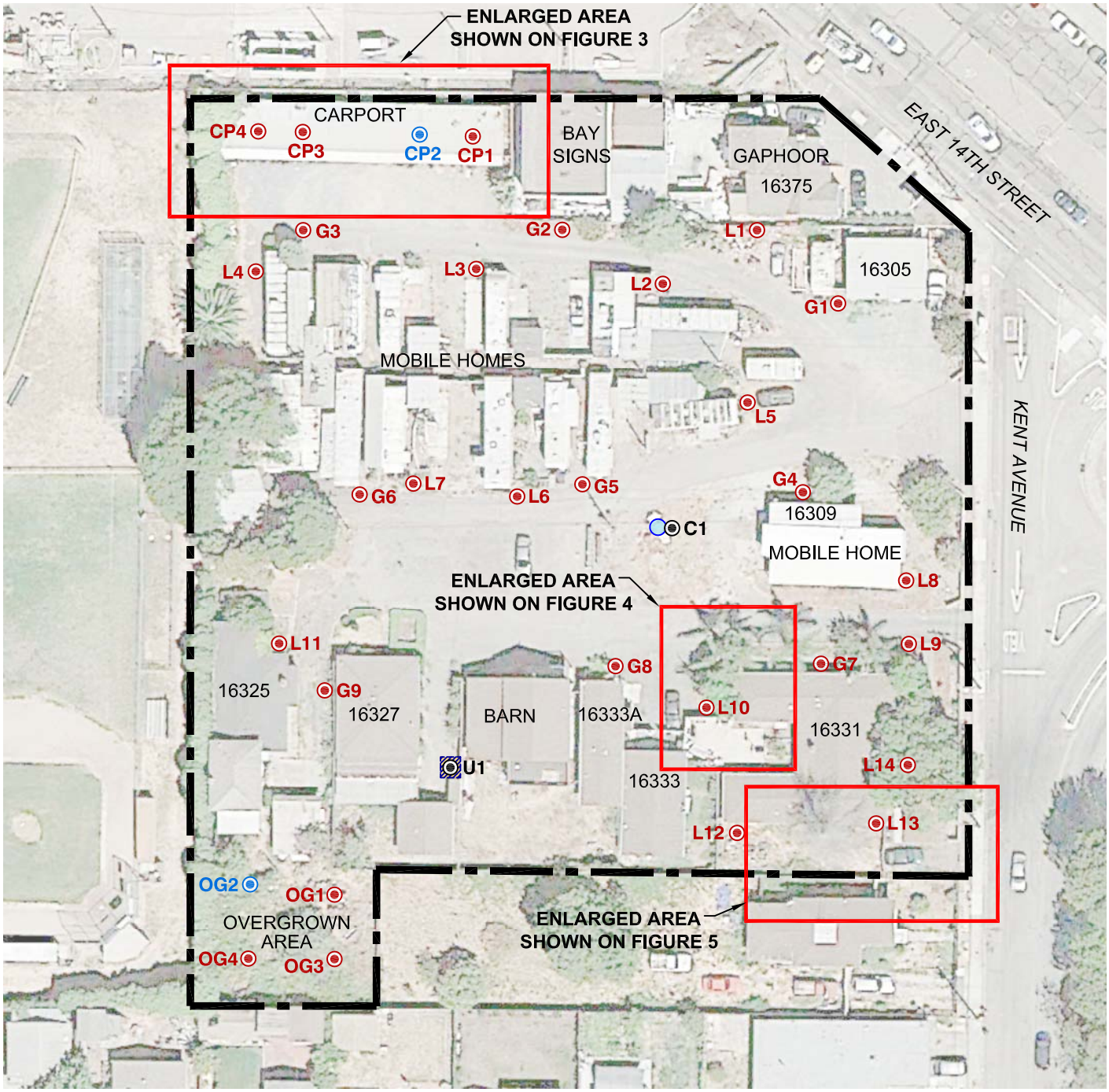


REFERENCE: GOOGLE EARTH IMAGERY, 2013.

N

SCALE IN FEET

0 60 120

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

- SITE BOUNDARY
- L13 SOIL SAMPLE LOCATION COLLECTED 5/23/13
- U1 SOIL SAMPLE LOCATION COLLECTED 9/25/13
- CP2 PREVIOUS SOIL AND GROUNDWATER SAMPLE LOCATION
- APPROXIMATE LOCATION OF 2-FOOT DIAMETER WATER CISTERN
- FORMER KNOWN UST TANK PIT

Ninyo & Moore

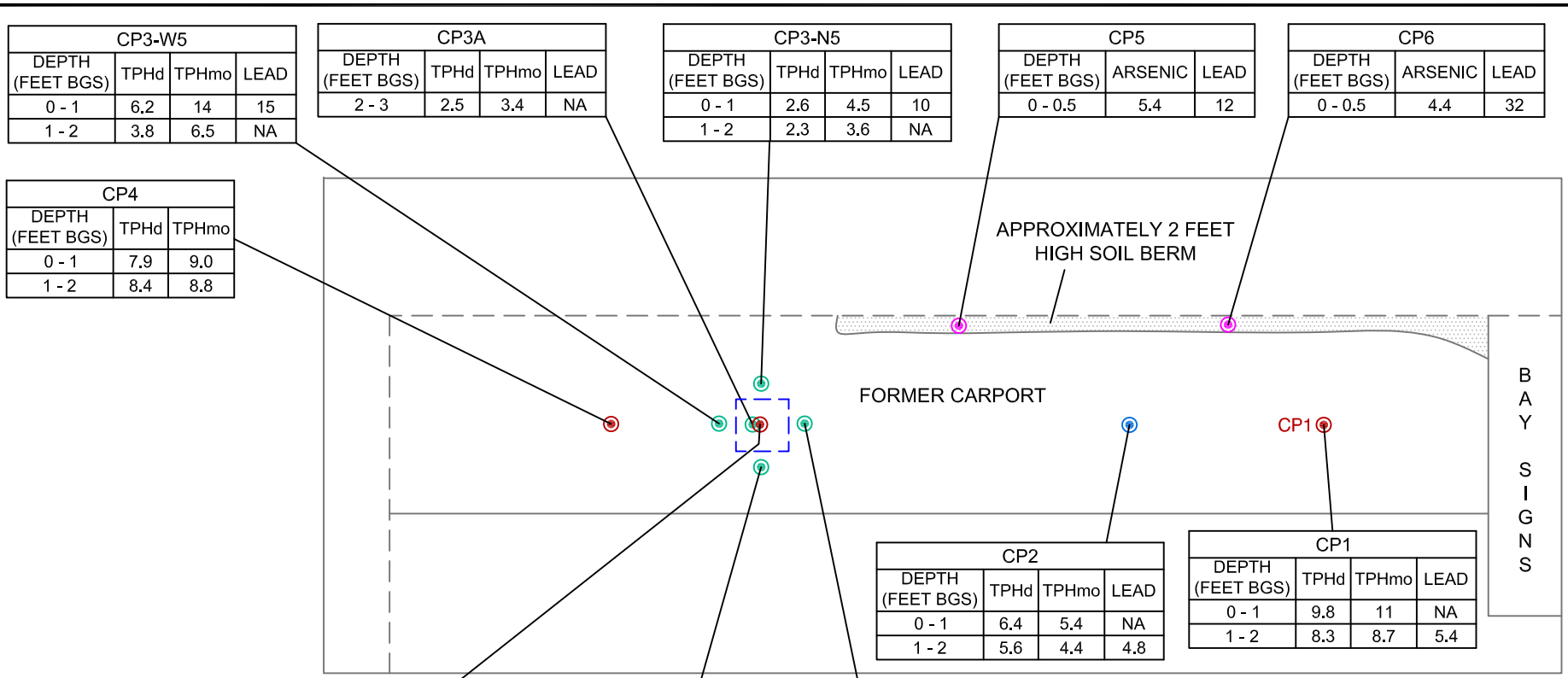
PREVIOUS SAMPLE LOCATIONS

FIGURE 2

PROJECT NO.	DATE
402090002	2/15

ASHLAND HOUSING PROJECT
16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET
ASHLAND, CALIFORNIA

402090002-PSL-2.dwg, Feb 17, 2015, 2:22pm, SN



CP3-W5			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	6.2	14	15
1 - 2	3.8	6.5	NA

CP3A			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
2 - 3	2.5	3.4	NA

CP3-N5			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	2.6	4.5	10
1 - 2	2.3	3.6	NA

CP5		
DEPTH (FEET BGS)	ARSENIC	LEAD
0 - 0.5	5.4	12

CP6		
DEPTH (FEET BGS)	ARSENIC	LEAD
0 - 0.5	4.4	32

CP4		
DEPTH (FEET BGS)	TPHd	TPHmo
0 - 1	7.9	9.0
1 - 2	8.4	8.8

CP2			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	6.4	5.4	NA
1 - 2	5.6	4.4	4.8

CP1			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	9.8	11	NA
1 - 2	8.3	8.7	5.4

CP3					
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD	STLC	TCLP
0 - 1	**840**	**1,500**	**320**	8.0	<0.5
1 - 2	**170**	290	51	1.1	NA

CP3-S5			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	3.4	6.8	8.4
1 - 2	1.6	2.4	NA

CP3-E5			
DEPTH (FEET BGS)	TPHd	TPHmo	LEAD
0 - 1	1.6	2.4	8.1
1 - 2	2.4	3.6	NA

LEGEND

- SITE BOUNDARY
- AREA OF EXCAVATION TO 3 FEET BGS
- CP3-S5 STEP-OUT SOIL SAMPLE LOCATION COLLECTED 7/23/13
- CP4 SOIL SAMPLE LOCATION COLLECTED 5/23/13
- CP2 SOIL AND GROUNDWATER SAMPLE LOCATION COLLECTED 5/23/13
- CP6 SOIL SAMPLE LOCATION COLLECTED 4/9/14
- SHADED INDICATES CONCENTRATION IS ABOVE ESL FOR COMMERCIAL/INDUSTRIAL LAND USE
- **BOLD** BOLD INDICATES CONCENTRATION IS ABOVE ESL FOR RESIDENTIAL LAND USE

BGS	BELOW GROUND SURFACE
NA	NOT ANALYZED
TPHd	TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN MILLIGRAMS PER KILOGRAM
TPHmo	TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN MILLIGRAMS PER KILOGRAM
ESLs	REGIONAL WATER QUALITY CONTROL BOARD ENVIRONMENTAL SCREENING LEVELS (MAY 2013, TABLE A)
STLC	SOLUBLE THRESHOLD LIMIT CONCENTRATION IN MILLIGRAMS PER LITER
TCLP	TOXICITY CHARACTERISTIC LEACHING POTENTIAL IN MILLIGRAMS PER LITER

N

SCALE IN FEET

0 20 40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore

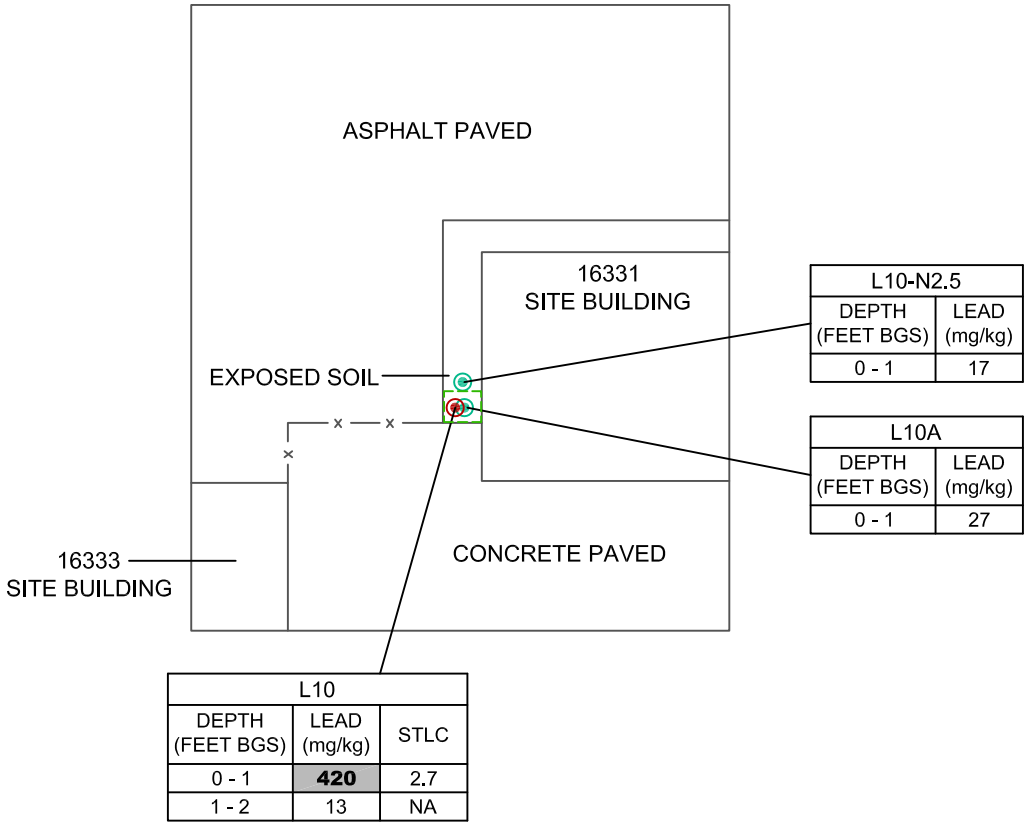
BORING CP3 EXCAVATION AREA

FIGURE 3

PROJECT NO.	DATE
402090002	2/15

ASHLAND HOUSING PROJECT
16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET
ASHLAND, CALIFORNIA

402090002-CPT3-3.dwg, Feb 17, 2015, 2:23pm, SN



L10-N2.5	
DEPTH (FEET BGS)	LEAD (mg/kg)
0 - 1	17

L10A	
DEPTH (FEET BGS)	LEAD (mg/kg)
0 - 1	27

L10		
DEPTH (FEET BGS)	LEAD (mg/kg)	STLC
0 - 1	**420**	2.7
1 - 2	13	NA

LEGEND

L10-N2.5	STEP-OUT SOIL SAMPLE LOCATION COLLECTED 7/23/13
L10	SOIL SAMPLE LOCATION COLLECTED 5/23/13
— x — x —	FENCE
	SHADED INDICATES CONCENTRATION IS ABOVE ESL FOR COMMERCIAL/INDUSTRIAL LAND USE
BOLD	BOLD INDICATES CONCENTRATION IS ABOVE ESL FOR RESIDENTIAL LAND USE
BGS	BELOW GROUND SURFACE
ESLs	REGIONAL WATER QUALITY CONTROL BOARD ENVIRONMENTAL SCREENING LEVELS (MAY 2013, TABLE A)
mg/kg	MILLIGRAMS PER KILOGRAM
NA	NOT ANALYZED
STLC	SOLUBLE THRESHOLD LIMIT CONCENTRATION IN MILLIGRAMS PER LITER
	AREA OF EXCAVATION TO 2 FEET BGS

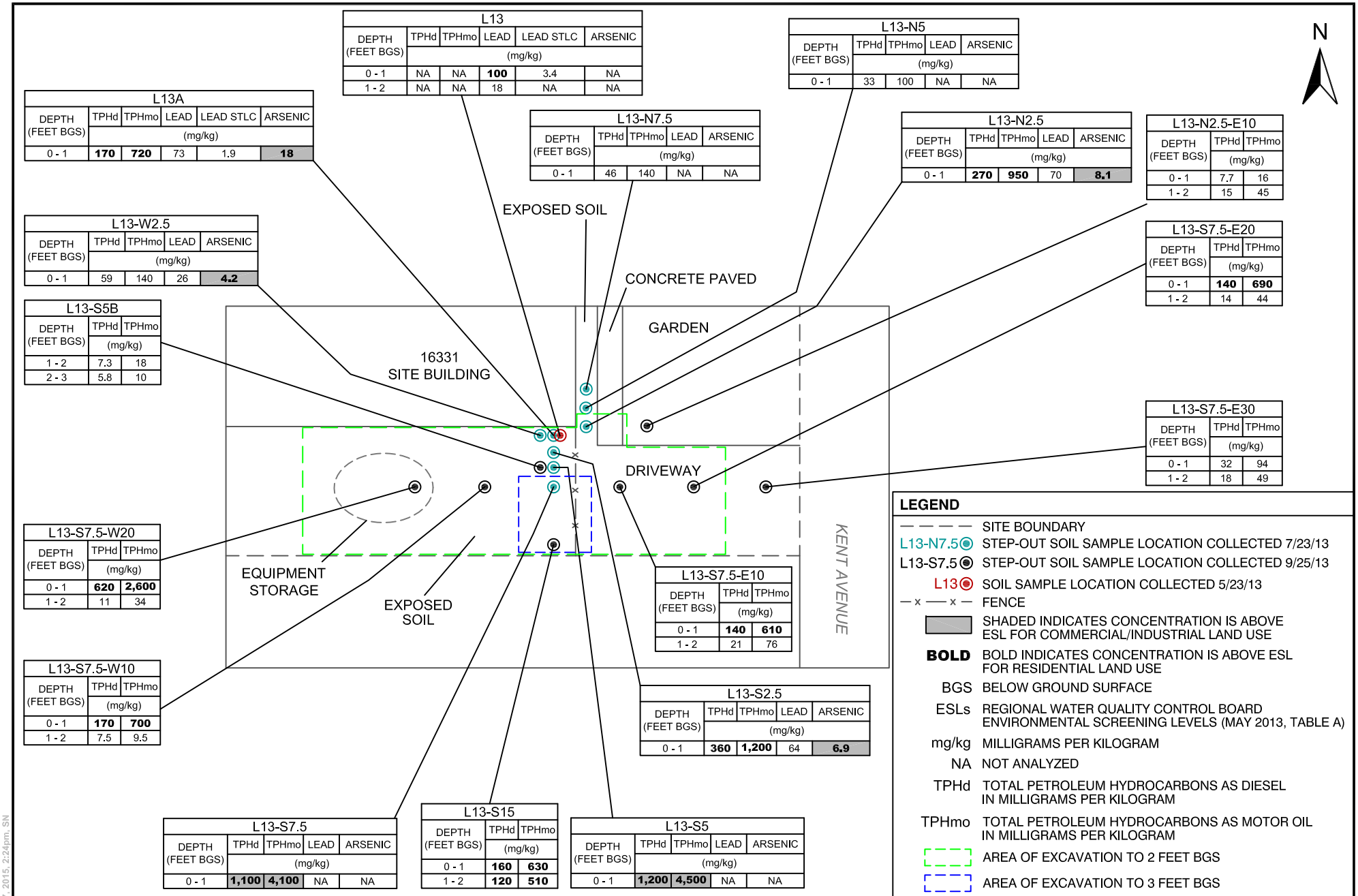
N

SCALE IN FEET

0 20 40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	BORING L10 EXCAVATION AREA	FIGURE
PROJECT NO. 402090002 / DATE 2/15	ASHLAND HOUSING PROJECT 16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET ASHLAND, CALIFORNIA	4



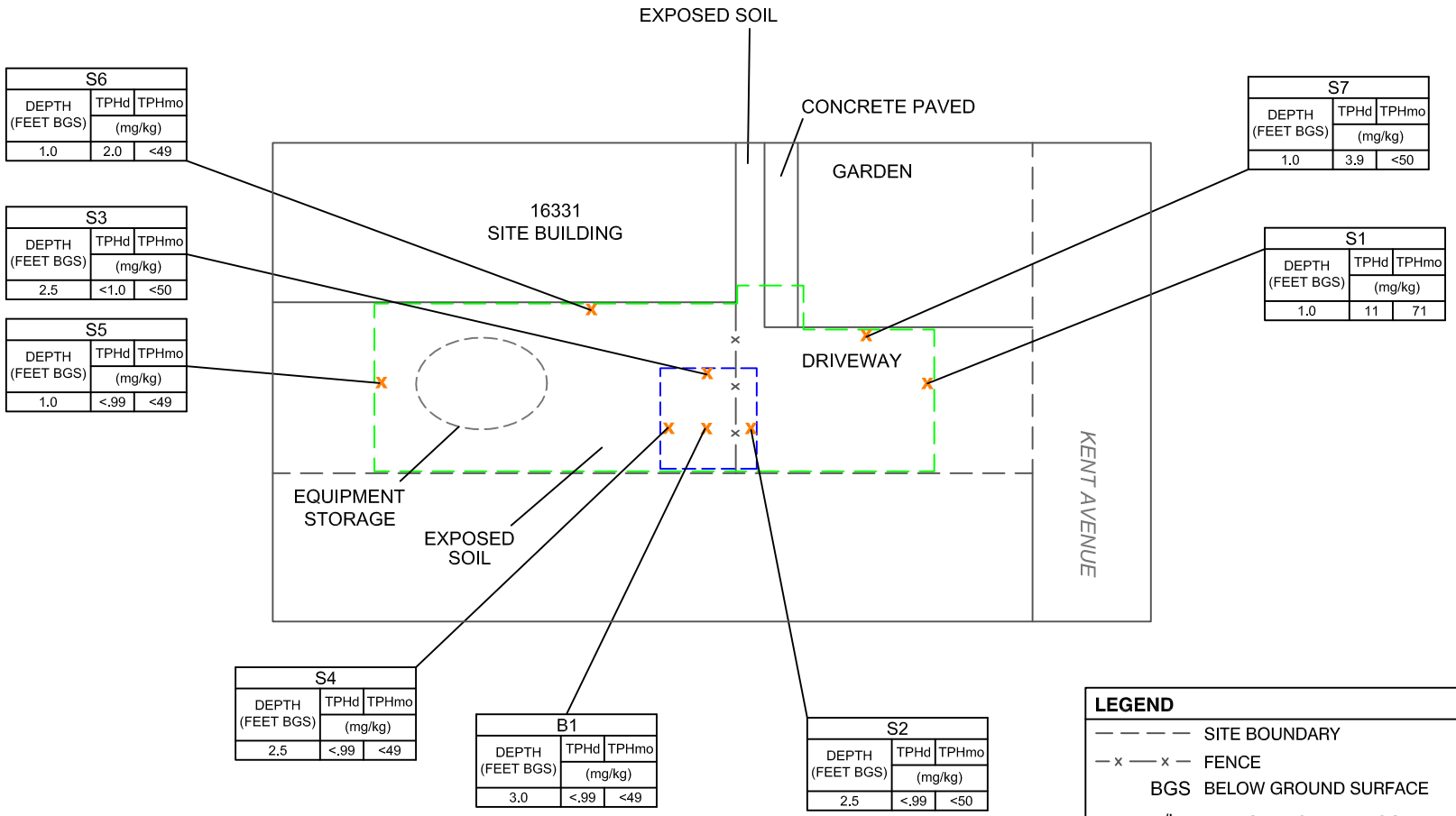
Ninyo & Moore

PROJECT NO.	DATE
402090002	2/15

BORING L13 EXCAVATION AREA AND SOIL INVESTIGATION SAMPLE LOCATIONS

ASHLAND HOUSING PROJECT
16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET
ASHLAND, CALIFORNIA

FIGURE
5



LEGEND

- SITE BOUNDARY
- FENCE
- BGS BELOW GROUND SURFACE
- mg/kg MILLIGRAMS PER KILOGRAM
- NA NOT ANALYZED
- TPHd TOTAL PETROLEUM HYDROCARBONS AS DIESEL IN MILLIGRAMS PER KILOGRAM
- TPHmo TOTAL PETROLEUM HYDROCARBONS AS MOTOR OIL IN MILLIGRAMS PER KILOGRAM
- AREA OF EXCAVATION TO 2 FEET BGS
- AREA OF EXCAVATION TO 3 FEET BGS
- S7 X CONFIRMATION SAMPLE LOCATIONS COLLECTED ON 4/9/14

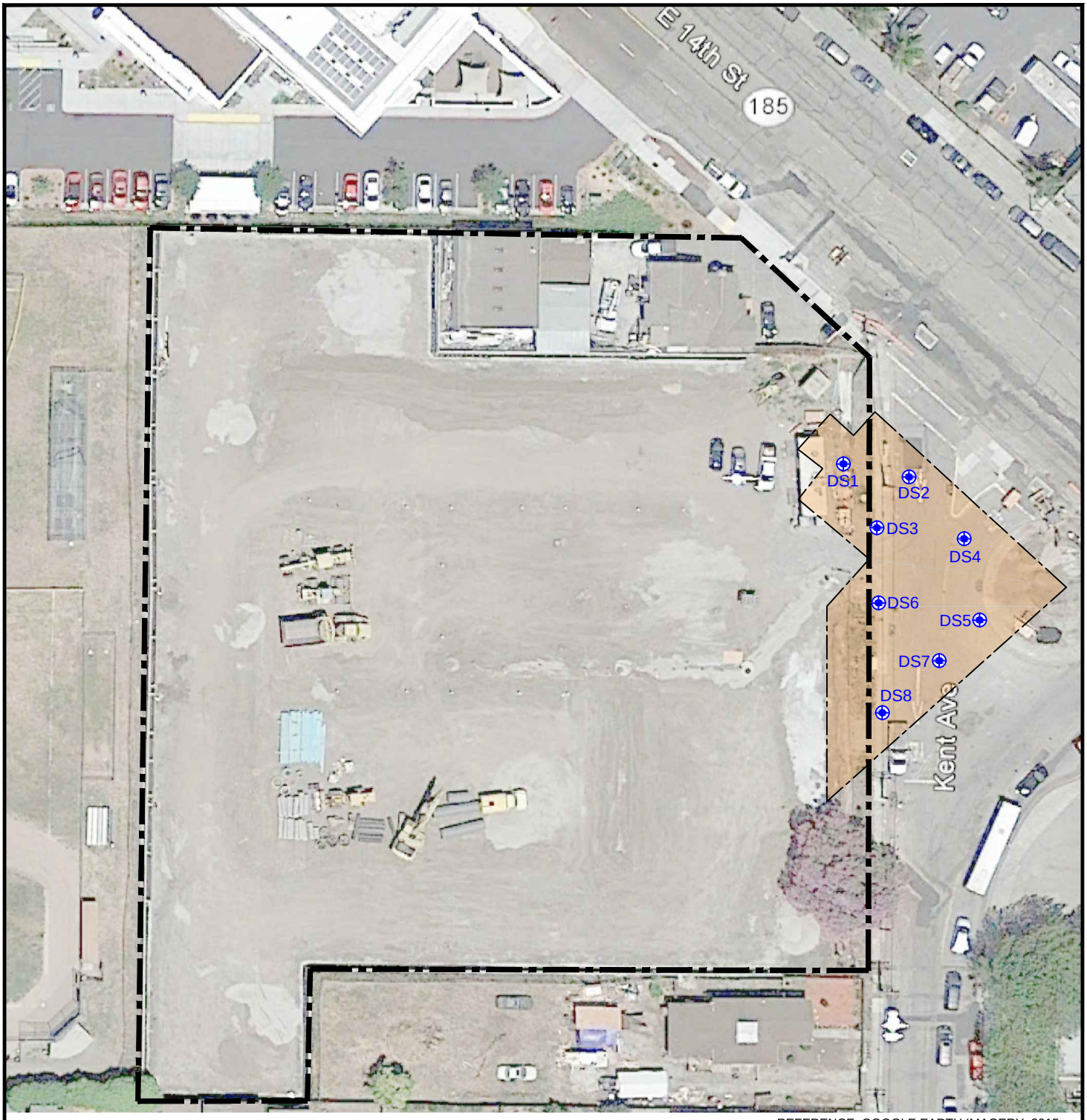
N

SCALE IN FEET

0 20 40

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

Ninyo & Moore	BORING L13 EXCAVATION AREA AND CONFIRMATION SAMPLE LOCATIONS	FIGURE
PROJECT NO. 402090002 / DATE 2/15	ASHLAND HOUSING PROJECT 16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET ASHLAND, CALIFORNIA	6



REFERENCE: GOOGLE EARTH IMAGERY, 2015.

N

SCALE IN FEET

0 40 80

NOTE: DIMENSIONS, DIRECTIONS AND LOCATIONS ARE APPROXIMATE.

LEGEND

- SITE BOUNDARY
- BUILDING A FOOT PRINT EXCAVATION BOUNDARY
- IN-SITU SAMPLE COLLECTED ON 11/12/14

Ninyo & Moore	IN-SITU SAMPLING FOR ON-SITE REUSE	FIGURE
PROJECT NO. 402090002 / DATE 2/15	ASHLAND HOUSING PROJECT 16305,16309,16325,16327,16331, AND 16333 KENT AVENUE AND 16375 EAST 14TH STREET ASHLAND, CALIFORNIA	7

402090002-IS-7.dwg, Feb 17, 2015, 2:31 pm, SN

APPENDIX A

SUPPORTING DOCUMENTS

DATE DRILLED 3-8-13 BORING NO. B-1

GROUND ELEVATION 37.5' ± MSL SHEET 1 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SP-SM	ASPHALT CONCRETE: Approximately 2 inches thick.
							CL	AGGREGATE BASE: Approximately 3 inches thick. Brown to gray, damp, medium dense, gravelly SAND with silt.
								FILL: Dark to medium brown, moist, stiff, CLAY; few gravel.
		6					CL	ALLUVIUM: Medium brown, moist, stiff, silty CLAY; trace gravel; little sand.
		3						
5								Black to medium brown; soft to firm.
							SP-SC	Black to medium brown, moist, very loose, SAND with clay.
		1					CL	Black to medium brown, moist, soft, silty CLAY.
		2						Medium brown.
		1						
10								
15		9			2.5			Dark gray, stiff. PP=2.5 tsf
20		3					CL	ALLUVIUM: (continued) Yellowish brown, moist, soft to firm, silty CLAY; few sand; trace gravel.

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-1

DATE DRILLED 3-8-13 BORING NO. B-1

GROUND ELEVATION 37.5' ± MSL SHEET 2 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
25		7	31.4	91.5				Stiff.
30		3						Light brown, soft to firm; little to some sand.
35		10	27.6	94.5	1.25			Olive brown, stiff; few sand. PP=1.25 tsf
40		2					CL	ALLUVIUM: (continued) Olive brown, moist, soft, silty CLAY; little sand.

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-2

DATE DRILLED 3-8-13 BORING NO. B-1

GROUND ELEVATION 37.5' ± MSL SHEET 3 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
45	Driven	13	18.8	101.4	2.0			Greenish gray, stiff to very stiff. PP=2.0 tsf
50	Driven	7						Medium brown, stiff; few sand.
55								Total Depth = 51.5 feet. The depth to groundwater was not evaluated due to the use of drilling fluid for the mud rotary borings. Backfilled with Portland cement grout on 3-8-13. PP=Unconfined compressive strength in tons per square foot (tsf) as evaluated by pocket penetrometer.
60								

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-3

DATE DRILLED 3-8-13 BORING NO. B-2

GROUND ELEVATION 39.75' ± MSL SHEET 1 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0								ASPHALT CONCRETE: Approximately 1.75 inches thick.
							SP-SM	AGGREGATE BASE: Approximately 2.5 inches thick. Brown to gray, damp, medium dense, gravelly SAND with silt.
							CL	FILL: Dark brown, moist, stiff, CLAY; trace gravel.
					1.25		SC-SM	ALLUVIUM: Dark to medium brown, moist, loose, silty clayey SAND; trace gravel.
		8	18.6	104.3				PP=1.25 tsf
5		2						Very loose.
		4						Loose.
							SM	Brown, moist to wet, very loose, silty SAND; some gravel.
		1						
		6					CL	Dark brown, moist, stiff, silty CLAY; few sand; scattered organics.
10								
								Medium brown.
15		10						
20					2.75		CL	ALLUVIUM:(continued) Yellowish brown, moist, very stiff, silty CLAY; trace sand.
		19						

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-4

DATE DRILLED 3-8-13 BORING NO. B-2

GROUND ELEVATION 39.75' ± MSL SHEET 2 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
								PP=2.75 tsf
25		3						Light brown, soft to firm.
30		12						Medium brown, stiff.
							SC	Medium brown, moist to wet, loose, clayey SAND.
							CL	Medium brown, moist, soft to firm, silty CLAY.
35		3						
40		10			1.0		CL	ALLUVIUM:(continued) Light yellowish brown, moist, stiff, silty CLAY; little sand. PP=1.0 tsf

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-5

DATE DRILLED 3-8-13 BORING NO. B-2

GROUND ELEVATION 39.75' ± MSL SHEET 3 OF 3

METHOD OF DRILLING 4" Mud Rotary - Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
45	Driven	6						Light olive brown.
50	Driven	32						Olive brown, hard; little sand.
								Total Depth = 51.5 feet.
								The depth to groundwater was not evaluated due to the use of drilling fluid for the mud rotary borings.
								Backfilled with Portland cement concrete on 3-8-13.
55								PP=Unconfined compressive strength in tons per square foot (tsf) as evaluated by pocket penetrometer.
60								

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-6

DATE DRILLED 3-8-13 BORING NO. B-3

GROUND ELEVATION 38.25' ± MSL SHEET 1 OF 1

METHOD OF DRILLING 8" Hollow Stem Mobile B-53

DRIVE WEIGHT 140 lbs (Auto Hammer) DROP 30"

SAMPLED BY LLB LOGGED BY LLB REVIEWED BY NSD/PCC

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SP-SM	ASPHALT CONCRETE: Approximately 2 inches thick.
							CL	AGGREGATE BASE: Approximately 3 inches thick. Brown to gray, damp, medium dense, gravelly SAND with silt.
		5						FILL: Dark brown, moist, firm to stiff, CLAY; few sand; trace gravel.
		9						
							CL	ALLUVIUM: Medium brown, moist, stiff, sandy CLAY; some sand.
5		1						Soft, little sand.
			▼					Saturated.
		6						Stiff.
10								Total Depth = 10 feet. Groundwater was measured at a depth of approximately 7 feet in borehole at about 1 hour of completion of drilling. Groundwater may rise to a level higher than that measured in borehole due to relatively slow rate of seepage in clay and several other factors as discussed in the report. Backfilled with Portland cement concrete on 3-8-13.
15								
20								

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-7

DATE DRILLED 9-25-13 BORING NO. C1

GROUND ELEVATION 43' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT NA DROP NA

SAMPLED BY MAT LOGGED BY MAT REVIEWED BY KML

DEPTH (feet)	SAMPLES (Bulk / Driven)	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0							SC	ALLUVIUM: Dark brown, moist, clayey SAND; fine to coarse grained; few silt.
					0.0			
5					0.0			
								Total Depth = 8 feet. Boring was tremie grouted from the total depth to the surface.
10								
15								
20								

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-10

DATE DRILLED 9-25-13 BORING NO. U1

GROUND ELEVATION 43' ± MSL SHEET 1 OF 1

METHOD OF DRILLING DIRECT PUSH

DRIVE WEIGHT NA DROP NA

SAMPLED BY MAT LOGGED BY MAT REVIEWED BY KML

DEPTH (feet)	SAMPLES Bulk	SAMPLES Driven	BLOWS/FOOT	MOISTURE (%)	DRY DENSITY (PCF)	PID READING (PPM)	SYMBOL	CLASSIFICATION U.S.C.S.	DESCRIPTION/INTERPRETATION
0									ASPHALT CONCRETE: Approximately 4 inches thick.
								SC	ALLUVIUM: Dark brown, moist, clayey SAND; fine to coarse grained; few silt.
						0.0			
5									
						0.0			
									Total Depth = 8 feet.
									Boring was tremie grouted from the total depth to the surface.
10									
15									
20									

Ninyo & Moore

BORING LOG

ASHLAND HOUSING PROJECT
ASHLAND, CALIFORNIA

PROJECT NO.	DATE	FIGURE
402090002	10/13	A-11

APPENDIX B

PHOTOGRAPHIC DOCUMENTATION

Photograph 1: **The water cistern prior to abandonment activities.**

Photograph 2: **Pumping water from water cistern.**

Photograph 3: **Water pumped from the water cistern was stored in a plastic lined roll-off bin.**

Photograph 4: **Backfilling the water cistern with cement grout.**

Photograph 5: **Stockpiles stored on the site which were generated during trenching in Kent Avenue and East 14th Street.**

Photograph 6: **Performing remedial excavation at the south side of the former 16331 Kent Avenue site building.**

Photograph 7: **Generating stockpile SP8 from the remedial excavations.**

Photograph 8: **Performing remedial excavation at boring CP3 in the former car port area of the site and temporary stockpile to be added to stockpile SP8.**

Photograph 9: **The completed remedial excavation at boring CP3 in the former car port area of the site.**

Photograph 10: **The completed remedial excavation at boring L10 on the northwest side of the former 16331 Kent Avenue site building.**

Photograph 11: **The completed remedial excavation on the south side of the former 16331 Kent Avenue site building.**

Photograph 12: **Stockpile SP8 generated from remedial excavation of impacted soil.**

Photograph 13: **Loading stockpile SP8 on to trucks for off-site disposal.**

Photograph 14: **Spreading soil for reuse from stockpile SPA on the southern portion of the site in an area designated to be paved and used as parking.**

Photograph 15: **Trenching in Kent Avenue.**

Photograph 16: **Stockpiles SPB and SPC generated from trenching in Kent Avenue.**

Photograph 17: **Excavation in the Building A footprint to pour cellcrete.**

Photograph 18: **Stockpile SPE generated from soil excavated from the Building A footprint.**

APPENDIX C

SOIL DISPOSAL DOCUMENTATION

DOUBLE
TRANSPORTATION CO., INC.
P.O. Box 2999, Dublin, CA 94568

INVOICE

DD-029210

DOUBLE D TRANSPORTATION, INC.
P.O. BOX 2999 DUBLIN CA 94568
(925) 829-9220

Remit To :
P.O. BOX 2999
DUBLIN CA 94568
TEL. 9258299220
FAX 9256034268

SOLD TO :

JOS J. ALBANESE
P.O. BOX 667
SANTA CLARA CA 95052-0667

Job Location:
Origin: E. 14th. & KENT AVE., SAN LEANDRO
Destination: ALTAMONT LANDFILL
City: SAN LEANDRO

Contact: JOYCE
Tel: 408-727-5700
Fax: 408-727-0366

INVOICE DATE	SALES ORDER	CUSTOMER	CUSTOMER JOB	DUE DATE	PLANT
04-23-2014	545-13382	545	13382	05-23-2014	TRK

Date Shipped	Freight Bill	Product Description	Truck #	Quantity	Unit Price	Amount
04-07-2014	)4/07 DISPOS/	DISPOSAL FEES		158.52 TN	41.000	6,499.32
			ITEM QTY:	158.52 TN		
		DD-586501				

SUBTOTAL	$	6,499.32
TAX	$	0.00
INVOICE TOTAL	$	6,499.32

In accordance with Business and Professions code §7108.6 a licensed contractor is required to pay all transportation charges by the 20th day of the following month, or be subject to a penalty of 2 percent of the amount due per month for every month that payment is outstanding.

AX

DOUBLE
TRANSPORTATION CO., INC.
P.O. Box 2999, Dublin,CA 94568

INVOICE

DOUBLE D TRANSPORTATION, INC.
P.O. BOX 2999 DUBLIN CA 94568
(925) 829-9220

Remit To :
P.O. BOX 2999
DUBLIN CA 94568
TEL. 9258299220
FAX 9258034268

DD-029220

SOLD TO :

JOS J. ALBANESE
P.O. BOX 667
SANTA CLARA CA 95052-0667

Job Location:
Origin: 16309 KENT AVE, SAN LORENZO (EAST 14TH CROSS ST)
Destination: ALTAMONT LANDFILL
City: SAN LORENZO

Contact: JOYCE
Tel: 408-727-5700
Fax: 408-727-0366

INVOICE DATE	SALES ORDER	CUSTOMER	CUSTOMER JOB	DUE DATE	PLANT
04-23-2014	545-13498	545		05-23-2014	TRK

Date Shipped	Freight Bill	Product Description	Truck #	Quantity	Unit Price	Amount
04-17-2014	4/14DUME FEE	DISPOSAL FEES.		185.00 TN	41.000	7,585.00
			ITEM QTY:	185.00 TN		
04-17-2014	1049186	EDMSC-HR-DAY	24025	6.50 HR	100.000	650.00
			ITEM QTY:	6.50 HR		
		DOUBLED D-587851				

SUBTOTAL	$	8,235.00
TAX	$	0.00
INVOICE TOTAL	$	8,235.00

In accordance with Business and Professions code §7108.6 a licensed contractor is required to pay all transportation charges by the 20th day of the following month, or be subject to a penalty of 2 percent of the amount due per month for every month that payment is outstanding.

RECEIVED

DEC 31 2014

DOUBLE D TRANSPORTATION CO., INC.
P.O. Box 2999, Dublin, CA 94568

INVOICE

DD-035920

DOUBLE D TRANSPORTATION, INC.
P.O. BOX 2999 DUBLIN CA 94568
(925) 829-9220

Remit To :
P.O. BOX 2999
DUBLIN CA 94568
TEL. 9258299220
FAX 9258034268

SOLD TO :

JOS J. ALBANESE
P.O. BOX 667
SANTA CLARA CA 95052-0667

Job Location:
Origin: E. 14th. & KENT AVE., SAN LEANDRO
Destination: ALTAMONT LANDFILL
City: SAN LEANDRO

Contact: JOYCE
Tel: 408-727-5700
Fax: 408-727-0366

INVOICE DATE	SALES ORDER	CUSTOMER	CUSTOMER JOB	DUE DATE	PLANT
12-24-2014	545-13382	545	13382	01-23-2015	TRK

Date Shipped	Freight Bill	Product Description	Truck #	Quantity	Unit Price	Amount
12-17-2014	DUMP FEE 133	DISPOSAL FEES		31.60 TN	41.000	1,295.60
			ITEM QTY:	31.60 TN		
12-17-2014	1078261	EDMSC-HR-DAY	24007	6.90 HR	100.000	690.00
			ITEM QTY:	6.90 HR		
		DD-31830				

SUBTOTAL	$	1,985.60
TAX	$	0.00
INVOICE TOTAL	$	1,985.60

In accordance with Business and Professions code §7108.6 a licensed contractor is required to pay all transportation charges by the 20th day of the following month, or be subject to a penalty of 2 percent of the amount due per month for every month that payment is outstanding.

DOUBLE TRANSPORTATION CO., INC.

11555 DUBLIN BLVD
DUBLIN, CA 94568
TEL: (925) 361-1665
FAX: (925) 560-1183

FREIGHT BILL COPY _____ OF _____ COPIES

FREIGHT BILL
1078261

JOB # 13382.

DATE 12-17-2014

DAY OF WEEK: SUN MON TUES WED THUR FRI SAT

CUSTOMER	ORIGIN	DESTINATION
JOS. J. ALBANESE. INC.	JOS. J. ALBANESE. INC	ALTAMONT. ZANDFILL.
STREET OR BOX	STREET OR BOX	STREET OR BOX
	KENT. AVE	ALTAMONT. ZANDFILL.
CITY / STATE	CITY / STATE	CITY / STATE
CA.	SAN LEANDRO CA.	LIVERMORE CA.
COMMODITY	INITIALS	UNDERLYING CARRIER
DIRT.	INITIAL EARLY START	H-S TRUCKING.

	SCALE TAG NO.	WEIGHT	LOADING ARRIVE	LOADING LOAD TIME	LOADING DEPART	STAND BY TIME	UNLOADING ARRIVE	UNLOADING DEPART	STAND BY TIME	REMARKS
1	1064537.	15.84	8.55	9.25	9.30		10.20	11.00		
2	1064573	15.76	11.50	12.35	12.40		1.30	2.10		
3			50 MINS. R. TIME				3.00	3.00		
4										
5										
6										
7										
8										
9			NOTE: COMPLETED FORMS MUST BE							
10			TURNED IN WITHIN 3 DAYS = COMPLETED							
11			AND SIGNED.							
12										
13										
14										
15										
16										
17										
18										
19										
20										

2 LOADS

TRUCK NO. 55886	TRAILER NO. 22007	EMPLOYEE NO.	TRUCK TYPE ☐ DB ☐ SB ☐ SE ☐ FB ☐ TR ☐ TW ☐ LB ☐ HS		FOR ACCOUNTING USE ONLY
DISPATCH START TIME 9:00 AM.	START LUNCH	END LUNCH	YARD FINISH TIME	PAYROLL HOURS	LOADS
BREAKDOWN TIME	START	END	STAND-BY TIME SUMMARY		TONS 31.60
SHOP TIME	START	END	TOTAL MINUTES	SITE OFFICIAL APPROVAL	HOURS 10.9
OTHER	START	END			PAYROLL
DRIVER SIGNATURE H. Sandhu	CONTRACTOR SIGNATURE		TRUCK FINISHED ☒ LOADED ☐ UNLOADED	TIME ☐ AM ☐ PM	SHOP

DDT4003

WASTE MANAGEMENT

EZ Profile™

Requested Facility: Altamont Landfill & Resource Recovery ☐ Unsure Profile Number: 617147CA

☐ Multiple Generator Locations (Attach Locations) ☑ Request Certificate of Disposal ☐ Renewal? Original Profile Number: _____

A. GENERATOR INFORMATION (MATERIAL ORIGIN)

1. Generator Name: RCD
2. Site Address: 16309 kent Ave
   (City, State, ZIP) Ashland CA 94580
3. County: Alameda
4. Contact Name: Brian Saliman
5. Email: _____
6. Phone: (415) 297-2258 7. Fax: _____
8. Generator EPA ID: _____ ☑ N/A
9. State ID: _____ ☑ N/A

B. BILLING INFORMATION ☐ SAME AS GENERATOR

1. Billing Name: Pacific States
2. Billing Address: 11555 Dublin Blvd.
   (City, State, ZIP) Dublin CA 94568
3. Contact Name: Jason Hirsch
4. Email: jhirsch@pacificstates.net
5. Phone: (925) 361-1603 6. Fax: (925) 803-4334
7. WM Hauled? ☐ Yes ☐ No
8. P.O. Number: _____
9. Payment Method: ☐ Credit Account ☐ Cash ☐ Credit Card

C. MATERIAL INFORMATION

1. Common Name: Soil with oil and diesel fuel / ADC
   Describe Process Generating Material: ☐ See Attached
   Clearing area for residential construction. Construction of multifamily housing unit.
2. Material Composition and Contaminants: ☐ See Attached

1. soil	98-100 %
2. rocks	0-2 %
3. vegetation (native)	0-2 %
4.	
Total composition must be equal to or greater than 100%	≥100%

3. State Waste Codes: _____ ☑ N/A
4. Color: Brown
5. Physical State at 70°F: ☑ Solid ☐ Liquid ☐ Other: _____
6. Free Liquid Range Percentage: _____ to _____ ☑ N/A
7. pH: _____ to _____ ☑ N/A
8. Strong Odor: ☐ Yes ☑ No Describe: _____
9. Flash Point: ☐ <140°F ☐ 140°–199°F ☐ ≥200° ☑ N/A

D. REGULATORY INFORMATION

1. EPA Hazardous Waste? ☐ Yes* ☑ No
   Code: _____
2. State Hazardous Waste? ☐ Yes ☑ No
   Code: _____
3. Is this material non-hazardous due to Treatment, Delisting, or an Exclusion? ☐ Yes* ☑ No
4. Contains Underlying Hazardous Constituents? ☐ Yes* ☑ No
5. Contains benzene **and** subject to Benzene NESHAP? ☐ Yes* ☑ No
6. Facility remediation subject to 40 CFR 63 GGGGG? ☐ Yes* ☑ No
7. CERCLA or State-mandated clean-up? ☐ Yes* ☑ No
8. NRC or State-regulated radioactive or NORM waste? ☐ Yes* ☑ No

***If Yes, see Addendum (page 2) for additional questions and space.**

9. Contains PCBs? → If Yes, answer a, b and c. ☐ Yes ☑ No
   a. Regulated by 40 CFR 761? ☐ Yes ☐ No
   b. Remediation under 40 CFR 761.61 (a)? ☐ Yes ☐ No
   c. Were PCB imported into the US? ☐ Yes ☐ No
10. Regulated and/or Untreated Medical/Infectious Waste? ☐ Yes ☑ No
11. Contains Asbestos? ☐ Yes ☑ No
    → If Yes: ☐ Non-Friable ☐ Non-Friable – Regulated ☐ Friable

E. ANALYTICAL AND OTHER REPRESENTATIVE INFORMATION

1. Analytical attached ☑ Yes
   Please identify applicable samples and/or lab reports:
   All samples apply
2. Other information attached (such as MSDS)? ☐ Yes

F. SHIPPING AND DOT INFORMATION

1. ☑ One-Time Event ☐ Repeat Event/Ongoing Business
2. Estimated Quantity/Unit of Measure: 100
   ☑ Tons ☐ Yards ☐ Drums ☐ Gallons ☐ Other: _____
3. Container Type and Size: Bulk
4. USDOT Proper Shipping Name: ☑ N/A

G. GENERATOR CERTIFICATION (PLEASE READ AND CERTIFY BY SIGNATURE)

By signing this EZ Profile™ form, I hereby certify that all information submitted in this and all attached documents contain true and accurate descriptions of this material, and that all relevant information necessary for proper material characterization and to identify known and suspected hazards has been provided. Any analytical data attached was derived from a sample that is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method. All changes occurring in the character of the material (i.e., changes in the process or new analytical) will be identified by the Generator and be disclosed to Waste Management prior to providing the material to Waste Management.

If I am an agent signing on behalf of the Generator, I have confirmed with the Generator that information contained in this Profile is accurate and complete.

Name (Print): Brian Saliman Date: 3/26/14

Title: EM

Company: RCD

Certification Signature

THINK GREEN®

QUESTIONS? CALL 800 963 4776 FOR ASSISTANCE

Revised October 28, 2013

APPENDIX D

SOIL SAMPLE ANALYTICAL LABORATORY REPORTS

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-56659-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
4/10/2014 5:40:06 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-56659-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-56659-1

Comments
No additional comments.

Receipt
The samples were received on 4/9/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 5.2º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analytes: COMP8 (720-56659-11). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 157044 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 7471A: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for preparation batch 157051 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1 — Lab Sample ID: 720-56659-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	11		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	71		49		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: S2-2.5 — Lab Sample ID: 720-56659-2

No Detections.

Client Sample ID: S3-2.5 — Lab Sample ID: 720-56659-3

No Detections.

Client Sample ID: S4-2.5 — Lab Sample ID: 720-56659-4

No Detections.

Client Sample ID: B1-3 — Lab Sample ID: 720-56659-5

No Detections.

Client Sample ID: S5-1 — Lab Sample ID: 720-56659-6

No Detections.

Client Sample ID: COMP8 — Lab Sample ID: 720-56659-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	18		2.0		mg/Kg	2		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	130		98		mg/Kg	2		8015B	Silica Gel Cleanup
Arsenic	6.9		3.9		mg/Kg	4		6010B	Total/NA
Barium	210		1.9		mg/Kg	4		6010B	Total/NA
Beryllium	0.43		0.39		mg/Kg	4		6010B	Total/NA
Cadmium	0.49		0.49		mg/Kg	4		6010B	Total/NA
Chromium	49		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	13		0.78		mg/Kg	4		6010B	Total/NA
Copper	35		5.8		mg/Kg	4		6010B	Total/NA
Lead	73		1.9		mg/Kg	4		6010B	Total/NA
Nickel	53		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	42		1.9		mg/Kg	4		6010B	Total/NA
Zinc	110		5.8		mg/Kg	4		6010B	Total/NA
Mercury	0.084		0.0088		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1
Date Collected: 04/09/14 13:46
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	11		0.99		mg/Kg		04/09/14 17:11	04/10/14 10:55	1
Motor Oil Range Organics [C24-C36]	71		49		mg/Kg		04/09/14 17:11	04/10/14 10:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.08*		*0 - 1*	*04/09/14 17:11*	*04/10/14 10:55*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/10/14 10:55*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S2-2.5
Date Collected: 04/09/14 13:49
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/10/14 00:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 17:11	04/10/14 00:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:00*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:00*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S3-2.5
Date Collected: 04/09/14 13:55
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-3
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		04/09/14 17:11	04/10/14 00:29	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 17:11	04/10/14 00:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:29*	*1*
p-Terphenyl	*90*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:29*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S4-2.5
Date Collected: 04/09/14 13:56
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-4
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/10/14 00:59	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/10/14 00:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*04/09/14 17:11*	*04/10/14 00:59*	*1*
p-Terphenyl	*92*		*38 - 148*	*04/09/14 17:11*	*04/10/14 00:59*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: B1-3
Date Collected: 04/09/14 13:58
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/09/14 23:02	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/09/14 23:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*04/09/14 17:11*	*04/09/14 23:02*	*1*
p-Terphenyl	*90*		*38 - 148*	*04/09/14 17:11*	*04/09/14 23:02*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S5-1
Date Collected: 04/09/14 14:01
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-6
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 17:11	04/09/14 23:31	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/09/14 17:11	04/09/14 23:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*04/09/14 17:11*	*04/09/14 23:31*	*1*
p-Terphenyl	*88*		*38 - 148*	*04/09/14 17:11*	*04/09/14 23:31*	*1*

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Ethylbenzene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Toluene	ND		5.0		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Xylenes, Total	ND		10		ug/Kg		04/09/14 16:49	04/09/14 18:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/09/14 16:49	04/09/14 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*45 - 131*	*04/09/14 16:49*	*04/09/14 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*60 - 140*	*04/09/14 16:49*	*04/09/14 18:38*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*	*04/09/14 16:49*	*04/09/14 18:38*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**18**		2.0		mg/Kg		04/09/14 17:46	04/10/14 11:20	2
Motor Oil Range Organics [C24-C36]	**130**		98		mg/Kg		04/09/14 17:46	04/10/14 11:20	2

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.007*		*0 - 1*	*04/09/14 17:46*	*04/10/14 11:20*	*2*
p-Terphenyl	*96*		*38 - 148*	*04/09/14 17:46*	*04/10/14 11:20*	*2*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Arsenic	**6.9**		3.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Barium	**210**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Beryllium	**0.43**		0.39		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Cadmium	**0.49**		0.49		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Chromium	**49**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Cobalt	**13**		0.78		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Copper	**35**		5.8		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Lead	**73**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Molybdenum	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Nickel	**53**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Selenium	ND		3.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Silver	ND		0.97		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Thallium	ND		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Vanadium	**42**		1.9		mg/Kg		04/09/14 17:46	04/10/14 12:38	4
Zinc	**110**		5.8		mg/Kg		04/09/14 17:46	04/10/14 12:38	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.084**		0.0088		mg/Kg		04/09/14 19:41	04/10/14 15:03	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-156987/4
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			04/09/14 09:02	1
Ethylbenzene	ND		5.0		ug/Kg			04/09/14 09:02	1
Toluene	ND		5.0		ug/Kg			04/09/14 09:02	1
Xylenes, Total	ND		10		ug/Kg			04/09/14 09:02	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			04/09/14 09:02	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*45 - 131*		*04/09/14 09:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*115*		*60 - 140*		*04/09/14 09:02*	*1*
Toluene-d8 (Surr)	*99*		*58 - 140*		*04/09/14 09:02*	*1*

Lab Sample ID: LCS 720-156987/5
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	50.2		ug/Kg		100	70 - 130
Ethylbenzene	50.0	49.8		ug/Kg		100	80 - 137
Toluene	50.0	50.3		ug/Kg		101	80 - 128
m-Xylene & p-Xylene	100	102		ug/Kg		102	70 - 146
o-Xylene	50.0	54.3		ug/Kg		109	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCS 720-156987/7
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1140		ug/Kg		114	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*116*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Lab Sample ID: LCSD 720-156987/6
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	49.5		ug/Kg		99	70 - 130	1	20
Ethylbenzene	50.0	49.2		ug/Kg		98	80 - 137	1	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-156987/6
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	50.4		ug/Kg		101	80 - 128	0	20
m-Xylene & p-Xylene			100	104		ug/Kg		104	70 - 146	1	20
o-Xylene			50.0	54.3		ug/Kg		109	70 - 140	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*114*		*60 - 140*
Toluene-d8 (Surr)	*104*		*58 - 140*

Lab Sample ID: LCSD 720-156987/8
Matrix: Solid
Analysis Batch: 156987

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1120		ug/Kg		112	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*106*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*114*		*60 - 140*
Toluene-d8 (Surr)	*103*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-156993/1-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/09/14 08:30	04/09/14 20:38	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/09/14 08:30	04/09/14 20:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0004*		*0 - 1*	*04/09/14 08:30*	*04/09/14 20:38*	*1*
p-Terphenyl	*92*		*38 - 148*	*04/09/14 08:30*	*04/09/14 20:38*	*1*

Lab Sample ID: LCS 720-156993/2-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			82.5	45.7		mg/Kg		55	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*88*		*38 - 148*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCSD 720-156993/3-A
Matrix: Solid
Analysis Batch: 156983

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 156993

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.3	44.4		mg/Kg		53	36 - 112	3	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*91*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-157044/1-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157044

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Arsenic	ND		1.0		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Barium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Beryllium	ND		0.10		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Cadmium	ND		0.13		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Chromium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Cobalt	ND		0.20		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Copper	ND		1.5		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Lead	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Molybdenum	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Nickel	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Selenium	ND		1.0		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Silver	ND		0.25		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Thallium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Vanadium	ND		0.50		mg/Kg		04/09/14 17:46	04/10/14 12:05	1
Zinc	ND		1.5		mg/Kg		04/09/14 17:46	04/10/14 12:05	1

Lab Sample ID: LCS 720-157044/2-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.1		mg/Kg		96	80 - 120
Arsenic	50.0	49.5		mg/Kg		99	80 - 120
Barium	50.0	51.4		mg/Kg		103	80 - 120
Beryllium	50.0	51.2		mg/Kg		102	80 - 120
Cadmium	50.0	51.3		mg/Kg		103	80 - 120
Chromium	50.0	51.8		mg/Kg		104	80 - 120
Cobalt	50.0	52.4		mg/Kg		105	80 - 120
Copper	50.0	51.2		mg/Kg		102	80 - 120
Lead	50.0	51.6		mg/Kg		103	80 - 120
Molybdenum	50.0	50.9		mg/Kg		102	80 - 120
Nickel	50.0	50.9		mg/Kg		102	80 - 120
Selenium	50.0	48.7		mg/Kg		97	80 - 120
Silver	25.0	23.8		mg/Kg		95	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-157044/2-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	51.3		mg/Kg		103	80 - 120
Vanadium	50.0	51.0		mg/Kg		102	80 - 120
Zinc	50.0	50.8		mg/Kg		102	80 - 120

Lab Sample ID: LCSD 720-157044/3-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	48.5		mg/Kg		97	80 - 120	1	20
Arsenic	50.0	49.1		mg/Kg		98	80 - 120	1	20
Barium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Beryllium	50.0	51.1		mg/Kg		102	80 - 120	0	20
Cadmium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Chromium	50.0	51.3		mg/Kg		103	80 - 120	1	20
Cobalt	50.0	51.8		mg/Kg		104	80 - 120	1	20
Copper	50.0	50.6		mg/Kg		101	80 - 120	1	20
Lead	50.0	51.1		mg/Kg		102	80 - 120	1	20
Molybdenum	50.0	50.6		mg/Kg		101	80 - 120	1	20
Nickel	50.0	50.5		mg/Kg		101	80 - 120	1	20
Selenium	50.0	48.1		mg/Kg		96	80 - 120	1	20
Silver	25.0	23.5		mg/Kg		94	80 - 120	1	20
Thallium	50.0	50.8		mg/Kg		102	80 - 120	1	20
Vanadium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Zinc	50.0	50.3		mg/Kg		101	80 - 120	1	20

Lab Sample ID: LCSSRM 720-157044/25-A
Matrix: Solid
Analysis Batch: 157105

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157044

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	44.0		mg/Kg		59	11 - 101
Arsenic	45.5	43.4		mg/Kg		95	69 - 119
Barium	579	508		mg/Kg		88	61 - 117
Beryllium	155	144		mg/Kg		93	56 - 102
Cadmium	201	193		mg/Kg		96	67 - 118
Chromium	106	100		mg/Kg		94	67 - 121
Cobalt	247	232		mg/Kg		94	64 - 133
Copper	130	121		mg/Kg		93	68 - 126
Lead	302	274		mg/Kg		91	62 - 113
Molybdenum	165	153		mg/Kg		93	62 - 128
Nickel	305	289		mg/Kg		95	65 - 117
Selenium	133	128		mg/Kg		96	63 - 126
Silver	33.5	31.1		mg/Kg		93	51 - 130
Thallium	191	177		mg/Kg		92	64 - 124
Vanadium	214	200		mg/Kg		93	67 - 123
Zinc	388	355		mg/Kg		91	62 - 110

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-157051/1-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157051

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/09/14 19:41	04/10/14 14:37	1

Lab Sample ID: LCS 720-157051/2-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157051

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.842		mg/Kg		101	80 - 120

Lab Sample ID: LCSD 720-157051/3-A
Matrix: Solid
Analysis Batch: 157116

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157051

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.850		mg/Kg		102	80 - 120	1	20

GC/MS VOA

Analysis Batch: 156987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	8260B/CA_LUFT MS	157013
LCS 720-156987/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-156987/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-156987/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-156987/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-156987/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 157013

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 156983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-156993/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	156993
LCSD 720-156993/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	156993
MB 720-156993/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	156993

Analysis Batch: 156990

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-5	B1-3	Silica Gel Cleanup	Solid	8015B	156993
720-56659-6	S5-1	Silica Gel Cleanup	Solid	8015B	156993

Analysis Batch: 156991

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-2	S2-2.5	Silica Gel Cleanup	Solid	8015B	156993
720-56659-3	S3-2.5	Silica Gel Cleanup	Solid	8015B	156993
720-56659-4	S4-2.5	Silica Gel Cleanup	Solid	8015B	156993

Prep Batch: 156993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-1	S1-1	Silica Gel Cleanup	Solid	3546	
720-56659-2	S2-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-3	S3-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-4	S4-2.5	Silica Gel Cleanup	Solid	3546	
720-56659-5	B1-3	Silica Gel Cleanup	Solid	3546	
720-56659-6	S5-1	Silica Gel Cleanup	Solid	3546	
720-56659-11	COMP8	Silica Gel Cleanup	Solid	3546	
LCS 720-156993/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-156993/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-156993/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 157067

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-1	S1-1	Silica Gel Cleanup	Solid	8015B	156993

GC Semi VOA (Continued)

Analysis Batch: 157067 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Silica Gel Cleanup	Solid	8015B	156993

Metals

Prep Batch: 157044

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	3050B	
LCS 720-157044/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-157044/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-157044/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-157044/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 157051

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	7471A	
LCS 720-157051/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-157051/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-157051/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 157105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	6010B	157044
LCS 720-157044/2-A	Lab Control Sample	Total/NA	Solid	6010B	157044
LCSD 720-157044/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	157044
LCSSRM 720-157044/25-A	Lab Control Sample	Total/NA	Solid	6010B	157044
MB 720-157044/1-A	Method Blank	Total/NA	Solid	6010B	157044

Analysis Batch: 157116

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	Total/NA	Solid	7471A	157051
LCS 720-157051/2-A	Lab Control Sample	Total/NA	Solid	7471A	157051
LCSD 720-157051/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	157051
MB 720-157051/1-A	Method Blank	Total/NA	Solid	7471A	157051

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: S1-1
Lab Sample ID: 720-56659-1
Date Collected: 04/09/14 13:46
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157067	04/10/14 10:55	DCH	TAL PLS

Client Sample ID: S2-2.5
Lab Sample ID: 720-56659-2
Date Collected: 04/09/14 13:49
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:00	DCH	TAL PLS

Client Sample ID: S3-2.5
Lab Sample ID: 720-56659-3
Date Collected: 04/09/14 13:55
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:29	DCH	TAL PLS

Client Sample ID: S4-2.5
Lab Sample ID: 720-56659-4
Date Collected: 04/09/14 13:56
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156991	04/10/14 00:59	DCH	TAL PLS

Client Sample ID: B1-3
Lab Sample ID: 720-56659-5
Date Collected: 04/09/14 13:58
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156990	04/09/14 23:02	DCH	TAL PLS

Client Sample ID: S5-1
Lab Sample ID: 720-56659-6
Date Collected: 04/09/14 14:01
Matrix: Solid
Date Received: 04/09/14 15:30

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:11	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	156990	04/09/14 23:31	DCH	TAL PLS

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			157013	04/09/14 16:49	PDR	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	156987	04/09/14 18:38	ASC	TAL PLS
Silica Gel Cleanup	Prep	3546			156993	04/09/14 17:46	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		2	157067	04/10/14 11:20	DCH	TAL PLS
Total/NA	Prep	3050B			157044	04/09/14 17:46	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157105	04/10/14 12:38	CAM	TAL PLS
Total/NA	Prep	7471A			157051	04/09/14 19:41	CTD	TAL PLS
Total/NA	Analysis	7471A		1	157116	04/10/14 15:03	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Thallium

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-56659-1	S1-1	Solid	04/09/14 13:46	04/09/14 15:30
720-56659-2	S2-2.5	Solid	04/09/14 13:49	04/09/14 15:30
720-56659-3	S3-2.5	Solid	04/09/14 13:55	04/09/14 15:30
720-56659-4	S4-2.5	Solid	04/09/14 13:56	04/09/14 15:30
720-56659-5	B1-3	Solid	04/09/14 13:58	04/09/14 15:30
720-56659-6	S5-1	Solid	04/09/14 14:01	04/09/14 15:30
720-56659-11	COMP8	Solid	04/09/14 14:15	04/09/14 15:30

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax

720-56659

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
TestAmerica Laboratories, Inc.

4/10/2014

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Peter Sims	Site Contact: Peter Sims	Date: 4-9-14	COC No:
Ninyo & Moore	Tel/Fax: 510-327-9535	Lab Contact: Dimple Sharma	Carrier:	1 of 1 COCs
1956 Webster Street	Analysis Turnaround Time			Sampler:
Oakland, CA 94612	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
(xxx) xxx-xxxx Phone	TAT if different from Below _____			Walk-in Client:
(xxx) xxx-xxxx FAX	☐ 2 weeks			Lab Sampling:
Project Name: Ashland	☐ 1 week			
Site: 16305 Kent Avenue	☐ 2 days			Job / SDG No.:
PO# 4020090002	☒ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y/N)	Perform MS / MSD (Y/N)	TPHd/TPHmo EPA 8015	TPHg EPA 8260	Title 22 Metals 6010	BTEX EPA 8260	Sample Specific Notes:
S1-1	4/9/14	1346	G	Soil	1	N	Y	X				~~1 day~~ IPS
S2-2.5		1349						X				
S3-2.5		1352						X				
S4-2.5		1358						X				
B1-3		1358						X				
S5-1		1401						X				
SP8-1		1415										
SP8-2		1418										
SP8-3		1420										
SP8-4	↓	1423	↓		↓							
Comp8			C		4			X	X	X	X	

Comp8 = SP8-1, SP8-2, SP8-3, SP8-4

720-56659 Chain of Custody

RUSH

Preservation Used: 1= Ice, 2= HCl, 3= H2SO4, 4=HNO3, 5=NaOH, 6= Other

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: TPHd/TPHmo by EPA 8015 w/ silica gel cleanup
Prepare Comp8 by compositing SP8-1, SP8-2, SP8-3, and SP8-4

5.2°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No.: | Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____

Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Peter Sims	Ninyo+Moore	4-9-14/1458		TA	4/9/14 @ 1458
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
	TA	4/9/14 @ 1530		TA	4/9/14 1530
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-56659-1

Login Number: 56659

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-56659-2
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
4/14/2014 5:17:31 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-56659-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-56659-2

Comments
No additional comments.

Receipt
The samples were received on 4/9/2014 3:30 PM; the samples arrived in good condition, properly preserved and, where required, on ice.
The temperature of the cooler at receipt was 5.2° C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Client Sample ID: COMP8

Lab Sample ID: 720-56659-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.91		0.050		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.91		0.050		mg/L		04/14/14 12:10	04/14/14 14:24	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-157303/1-A
Matrix: Solid
Analysis Batch: 157319

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 157303

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		04/14/14 12:10	04/14/14 13:26	1

Lab Sample ID: LCS 720-157303/2-A
Matrix: Solid
Analysis Batch: 157319

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 157303

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	0.977		mg/L		98	80 - 120

Lab Sample ID: LCSD 720-157303/3-A
Matrix: Solid
Analysis Batch: 157319

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 157303

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.00	0.976		mg/L		98	80 - 120	0	20

Lab Sample ID: LB4 720-157114/1-B
Matrix: Solid
Analysis Batch: 157319

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 157303

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		04/14/14 12:10	04/14/14 14:10	1

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Metals

Leach Batch: 157114

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	STLC Citrate	Solid	CA WET Citrate	
LB4 720-157114/1-B	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Prep Batch: 157303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	STLC Citrate	Solid	3005A	157114
LB4 720-157114/1-B	Method Blank	STLC Citrate	Solid	3005A	157114
LCS 720-157303/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-157303/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-157303/1-A	Method Blank	Total Recoverable	Solid	3005A	

Analysis Batch: 157319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56659-11	COMP8	STLC Citrate	Solid	6010B	157303
LB4 720-157114/1-B	Method Blank	STLC Citrate	Solid	6010B	157303
LCS 720-157303/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	157303
LCSD 720-157303/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	157303
MB 720-157303/1-A	Method Blank	Total Recoverable	Solid	6010B	157303

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Client Sample ID: COMP8
Date Collected: 04/09/14 14:15
Date Received: 04/09/14 15:30

Lab Sample ID: 720-56659-11
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			157114	04/12/14 10:08	ASB	TAL PLS
STLC Citrate	Prep	3005A			157303	04/14/14 12:10	ECT	TAL PLS
STLC Citrate	Analysis	6010B		1	157319	04/14/14 14:24	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56659-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-56659-11	COMP8	Solid	04/09/14 14:15	04/09/14 15:30

Sharma, Dimple 720-56659-2

From: Peter Sims [psims@ninyoandmoore.com]
Sent: Friday, April 11, 2014 9:46 AM
To: Sharma, Dimple
Subject: RE: Files from 720-56659-1 Ashland

Dimple, please analyze sample COMP8 for lead by WET for comparison to the STLC on Rush TAT.

Thank you,

Peter D. Sims, LEED AP
Project Environmental Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 x15216 (Office)
(510) 327-9335 (Cell Phone)
(510) 343-3001 (Fax)
psims@ninyoandmoore.com

New San Jose office
2149 O'Toole Avenue, Suite 10
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

Experience · Quality · Commitment


720-56659 Chain of Custody

-----Original Message-----
From: Sharma, Dimple [mailto:dimple.sharma@testamericainc.com]
Sent: Thursday, April 10, 2014 5:41 PM
To: Peter Sims
Subject: Files from 720-56659-1 Ashland

RUSH

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

DIMPLE SHARMA
Senior Project Manager

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [155508]
Attachments: 2

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-56659-2

Login Number: 56659

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-56677-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
4/11/2014 3:12:55 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-56677-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-56677-1

Comments
No additional comments.

Receipt
The samples were received on 4/10/2014 10:14 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.5º C.

Except:

Logged samples on a 1 day rush.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1 — Lab Sample ID: 720-56677-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	2.0		0.99		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: S7-1 — Lab Sample ID: 720-56677-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.9		1.0		mg/Kg	1		8015B	Silica Gel Cleanup

Client Sample ID: CP5-0.5 — Lab Sample ID: 720-56677-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	5.4		3.7		mg/Kg	4		6010B	Total/NA
Lead	12		1.9		mg/Kg	4		6010B	Total/NA

Client Sample ID: CP6-0.5 — Lab Sample ID: 720-56677-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.4		2.8		mg/Kg	4		6010B	Total/NA
Lead	32		1.4		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1
Date Collected: 04/09/14 15:51
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**2.0**		0.99		mg/Kg		04/10/14 10:30	04/10/14 20:55	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		04/10/14 10:30	04/10/14 20:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0002*		*0 - 1*	*04/10/14 10:30*	*04/10/14 20:55*	*1*
p-Terphenyl	*84*		*38 - 148*	*04/10/14 10:30*	*04/10/14 20:55*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S7-1
Date Collected: 04/09/14 15:53
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.9**		1.0		mg/Kg		04/10/14 10:30	04/10/14 21:19	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/10/14 10:30	04/10/14 21:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 1*	*04/10/14 10:30*	*04/10/14 21:19*	*1*
p-Terphenyl	*85*		*38 - 148*	*04/10/14 10:30*	*04/10/14 21:19*	*1*

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: CP5-0.5
Date Collected: 04/09/14 15:56
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-3
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	5.4		3.7		mg/Kg		04/10/14 11:08	04/11/14 11:27	4
Lead	12		1.9		mg/Kg		04/10/14 11:08	04/11/14 11:27	4

Client Sample Results

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: CP6-0.5
Date Collected: 04/09/14 15:57
Date Received: 04/10/14 10:14

Lab Sample ID: 720-56677-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	4.4		2.8		mg/Kg		04/10/14 11:08	04/11/14 11:37	4
Lead	32		1.4		mg/Kg		04/10/14 11:08	04/11/14 11:37	4

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-157075/1-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		04/10/14 08:16	04/10/14 21:39	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		04/10/14 08:16	04/10/14 21:39	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.007*		*0 - 1*	*04/10/14 08:16*	*04/10/14 21:39*	*1*
p-Terphenyl	*99*		*38 - 148*	*04/10/14 08:16*	*04/10/14 21:39*	*1*

Lab Sample ID: LCS 720-157075/2-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.2	55.6		mg/Kg		67	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

Lab Sample ID: LCSD 720-157075/3-A
Matrix: Solid
Analysis Batch: 157069

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 157075

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	59.3		mg/Kg		71	36 - 112	6	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*106*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-157086/1-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 157086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		1.0		mg/Kg		04/10/14 11:08	04/11/14 11:04	1
Lead	ND		0.50		mg/Kg		04/10/14 11:08	04/11/14 11:04	1

Lab Sample ID: LCS 720-157086/2-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	50.0	47.9		mg/Kg		96	80 - 120
Lead	50.0	49.6		mg/Kg		99	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-157086/3-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 157086

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic			50.0	48.6		mg/Kg		97	80 - 120	2	20
Lead			50.0	50.5		mg/Kg		101	80 - 120	2	20

Lab Sample ID: LCSSRM 720-157086/11-A
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 157086

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic			45.5	40.6		mg/Kg		89	69 - 119		
Lead			302	262		mg/Kg		87	62 - 113		

Lab Sample ID: 720-56677-3 MS
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: CP5-0.5
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	5.4		45.5	56.6		mg/Kg		113	75 - 125		
Lead	12		45.5	67.7		mg/Kg		122	75 - 125		

Lab Sample ID: 720-56677-3 MSD
Matrix: Solid
Analysis Batch: 157205

Client Sample ID: CP5-0.5
Prep Type: Total/NA
Prep Batch: 157086

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	5.4		43.5	52.1		mg/Kg		107	75 - 125	8	20
Lead	12		43.5	62.1		mg/Kg		114	75 - 125	9	20

QC Association Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

GC Semi VOA

Analysis Batch: 157068

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-1	S6-1	Silica Gel Cleanup	Solid	8015B	157075
720-56677-2	S7-1	Silica Gel Cleanup	Solid	8015B	157075

Analysis Batch: 157069

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-157075/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	157075
LCSD 720-157075/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	157075
MB 720-157075/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	157075

Prep Batch: 157075

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-1	S6-1	Silica Gel Cleanup	Solid	3546	
720-56677-2	S7-1	Silica Gel Cleanup	Solid	3546	
LCS 720-157075/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-157075/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-157075/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Metals

Prep Batch: 157086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-3	CP5-0.5	Total/NA	Solid	3050B	
720-56677-3 MS	CP5-0.5	Total/NA	Solid	3050B	
720-56677-3 MSD	CP5-0.5	Total/NA	Solid	3050B	
720-56677-4	CP6-0.5	Total/NA	Solid	3050B	
LCS 720-157086/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-157086/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-157086/11-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-157086/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 157205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-56677-3	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-3 MS	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-3 MSD	CP5-0.5	Total/NA	Solid	6010B	157086
720-56677-4	CP6-0.5	Total/NA	Solid	6010B	157086
LCS 720-157086/2-A	Lab Control Sample	Total/NA	Solid	6010B	157086
LCSD 720-157086/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	157086
LCSSRM 720-157086/11-A	Lab Control Sample	Total/NA	Solid	6010B	157086
MB 720-157086/1-A	Method Blank	Total/NA	Solid	6010B	157086

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Client Sample ID: S6-1

Lab Sample ID: 720-56677-1

Date Collected: 04/09/14 15:51

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			157075	04/10/14 10:30	MRP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157068	04/10/14 20:55	DCH	TAL PLS

Client Sample ID: S7-1

Lab Sample ID: 720-56677-2

Date Collected: 04/09/14 15:53

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			157075	04/10/14 10:30	MRP	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	157068	04/10/14 21:19	DCH	TAL PLS

Client Sample ID: CP5-0.5

Lab Sample ID: 720-56677-3

Date Collected: 04/09/14 15:56

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			157086	04/10/14 11:08	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157205	04/11/14 11:27	CAM	TAL PLS

Client Sample ID: CP6-0.5

Lab Sample ID: 720-56677-4

Date Collected: 04/09/14 15:57

Matrix: Solid

Date Received: 04/10/14 10:14

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3050B			157086	04/10/14 11:08	CTD	TAL PLS
Total/NA	Analysis	6010B		4	157205	04/11/14 11:37	CAM	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Method	Method Description	Protocol	Laboratory
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-56677-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-56677-1	S6-1	Solid	04/09/14 15:51	04/10/14 10:14
720-56677-2	S7-1	Solid	04/09/14 15:53	04/10/14 10:14
720-56677-3	CP5-0.5	Solid	04/09/14 15:56	04/10/14 10:14
720-56677-4	CP6-0.5	Solid	04/09/14 15:57	04/10/14 10:14

TestAmerica Pleasanton
1220 Quarry Lane

Pleasanton, CA 94566
phone 925.484.1919 fax

Chain of Custody Record

720-56677

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
153005
TestAmerica Laboratories, Inc.

4/11/2014

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Peter Sims	Site Contact: Peter Sims	Date: 4/9/14	COC No:
Ninyo & Moore	Tel/Fax: 510-327-9335	Lab Contact: Dimple Sharma	Carrier:	1 of 1 COCs
1956 Webster Street	Analysis Turnaround Time			Sampler:
Oakland, CA 94612	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
510-343-3000 Phone	TAT if different from Below _____			Walk-in Client:
510-343-3001 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Ashland Housing Project	☐ 1 week			
Site: 16305 Kent Avenue, Ashland, CA	☐ 2 days			Job / SDG No.:
P O ~~# 402209002~~ 402090002	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/TPHmo EPA 8015	lead/Arsenic EPA 6010	Sample Specific Notes:
S6-1	4/9/14	1551	G	Soil	1	N	Y	X		
S7-1	〃	1553	〃	〃	〃	〃	〃	X		
CP5-0.5	〃	1556	〃	〃	〃	〃	〃		X	
CP6-0.5	〃	1557	〃	〃	〃	〃	〃		X	

720-56677 Chain of Custody

PUSH

Preservation Used: 1= Ice, 2= HCl; 3= H_2SO_4; 4= HNO_3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments: TPHd/TPHmo analyses to be performed w/ silica gel cleanup

3.5C

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____	Therm ID No.: _____

	Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
1	Peter Sims	Ninyo & Moore	4-10-14/0930		TAP	4-10-14 9:30
2		TAP	4-10-14 1014			
3				Received in Laboratory by:		4-10-14 1014

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-56677-1

Login Number: 56677

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	False	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ADVANCED TECHNOLOGY LABORATORIES

February 27, 2014

ELAP No.: 1838
NELAP No.: 02107CA
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No.: T104704502

Peter Sims
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 633-5640
Fax:(510) 633-5646

Re: ATL Work Order Number : 1400508
Client Reference : Ashland

Enclosed are the results for sample(s) received on February 20, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

for

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP1-4	1400508-04	Soil	2/19/14 8:50	2/20/14 8:30
SP2-2	1400508-06	Soil	2/19/14 9:00	2/20/14 8:30
SP3-1	1400508-09	Soil	2/19/14 9:22	2/20/14 8:30
Comp-1	1400508-13	Soil	2/19/14 0:00	2/20/14 8:30
Comp-2	1400508-14	Soil	2/19/14 0:00	2/20/14 8:30
Comp-3	1400508-15	Soil	2/19/14 0:00	2/20/14 8:30

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID SP1-4

Lab ID: 1400508-04

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:31	
Toluene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:31	
Ethylbenzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:31	
m,p-Xylene	ND	10	NA	1	B4B0305	02/20/2014	02/20/14 14:31	
o-Xylene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:31	
Surrogate: 4-Bromofluorobenzene	*90.2 %*	*53 - 144*			B4B0305	02/20/2014	*02/20/14 14:31*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID SP2-2

Lab ID: 1400508-06

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:47	
Toluene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:47	
Ethylbenzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:47	
m,p-Xylene	ND	10	NA	1	B4B0305	02/20/2014	02/20/14 14:47	
o-Xylene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 14:47	
Surrogate: 4-Bromofluorobenzene	*81.2 %*	*53 - 144*			B4B0305	02/20/2014	*02/20/14 14:47*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID SP3-1

Lab ID: 1400508-09

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 15:03	
Toluene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 15:03	
Ethylbenzene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 15:03	
m,p-Xylene	ND	10	NA	1	B4B0305	02/20/2014	02/20/14 15:03	
o-Xylene	ND	5.0	NA	1	B4B0305	02/20/2014	02/20/14 15:03	
Surrogate: 4-Bromofluorobenzene	*86.9 %*	*53 - 144*			B4B0305	02/20/2014	*02/20/14 15:03*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID Comp-1

Lab ID: 1400508-13

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Arsenic	**4.1**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Barium	**99**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Beryllium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Cadmium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Chromium	**24**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Cobalt	**7.3**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Copper	**14**	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Lead	**6.5**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Molybdenum	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Nickel	**28**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Selenium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Silver	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Thallium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Vanadium	**23**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	
Zinc	**40**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:51	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0419	02/26/2014	02/26/14 17:39	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0305	02/20/2014	02/20/14 15:19	
Surrogate: 4-Bromofluorobenzene	*108 %*	*48 - 137*			B4B0305	02/20/2014	*02/20/14 15:19*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**22**	1.0	NA	1	B4B0408	02/26/2014	02/27/14 11:20	
ORO	**55**	1.0	NA	1	B4B0408	02/26/2014	02/27/14 11:20	
Surrogate: p-Terphenyl	*80.7 %*	*26 - 145*			B4B0408	02/26/2014	*02/27/14 11:20*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID Comp-2

Lab ID: 1400508-14

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Arsenic	**4.1**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Barium	**99**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Beryllium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Cadmium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Chromium	**25**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Cobalt	**7.3**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Copper	**16**	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Lead	**6.8**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Molybdenum	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Nickel	**29**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Selenium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Silver	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Thallium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Vanadium	**24**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	
Zinc	**39**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:57	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0419	02/26/2014	02/26/14 17:49	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0305	02/20/2014	02/20/14 15:35	
Surrogate: 4-Bromofluorobenzene	*108 %*	*48 - 137*			B4B0305	02/20/2014	*02/20/14 15:35*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**170**	20	NA	10	B4B0408	02/26/2014	02/26/14 19:17	
ORO	**560**	20	NA	10	B4B0408	02/26/2014	02/26/14 19:17	
Surrogate: p-Terphenyl	*96.7 %*	*26 - 145*			B4B0408	02/26/2014	*02/26/14 19:17*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 02/27/2014

Client Sample ID Comp-3

Lab ID: 1400508-15

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Arsenic	**3.4**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Barium	**83**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Beryllium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Cadmium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Chromium	**19**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Cobalt	**6.3**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Copper	**13**	2.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Lead	**8.5**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Molybdenum	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Nickel	**23**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Selenium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Silver	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Thallium	ND	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Vanadium	**22**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	
Zinc	**44**	1.0	NA	1	B4B0417	02/26/2014	02/27/14 11:58	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0419	02/26/2014	02/26/14 17:51	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0305	02/20/2014	02/20/14 15:50	
Surrogate: 4-Bromofluorobenzene	*113 %*	*48 - 137*			B4B0305	02/20/2014	*02/20/14 15:50*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**44**	2.0	NA	1	B4B0408	02/26/2014	02/27/14 08:54	
ORO	**150**	2.0	NA	1	B4B0408	02/26/2014	02/27/14 08:54	
Surrogate: p-Terphenyl	*102 %*	*26 - 145*			B4B0408	02/26/2014	*02/27/14 08:54*	

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QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0417 - EPA 3050B									
Blank (B4B0417-BLK1)				Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B4B0417-BS1)				Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	47.9090	2.0	50.0000		95.8	80 - 120			
Arsenic	47.5351	1.0	50.0000		95.1	80 - 120			
Barium	48.2890	1.0	50.0000		96.6	80 - 120			
Beryllium	49.4977	1.0	50.0000		99.0	80 - 120			
Cadmium	47.7998	1.0	50.0000		95.6	80 - 120			
Chromium	49.6922	1.0	50.0000		99.4	80 - 120			
Cobalt	48.4904	1.0	50.0000		97.0	80 - 120			
Copper	49.8959	2.0	50.0000		99.8	80 - 120			
Lead	49.6634	1.0	50.0000		99.3	80 - 120			
Molybdenum	51.5006	1.0	50.0000		103	80 - 120			
Nickel	47.7733	1.0	50.0000		95.5	80 - 120			
Selenium	44.7414	1.0	50.0000		89.5	80 - 120			
Silver	48.8798	1.0	50.0000		97.8	80 - 120			
Thallium	48.5605	1.0	50.0000		97.1	80 - 120			
Vanadium	49.7912	1.0	50.0000		99.6	80 - 120			
Zinc	51.8237	1.0	50.0000		104	80 - 120			
Duplicate (B4B0417-DUP1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	ND	2.0		ND	NR			20	
Arsenic	4.45285	1.0		4.07976	NR		8.75	20	
Barium	95.4760	1.0		98.5394	NR		3.16	20	
Beryllium	0.301616	1.0		0.306200	NR		1.51	20	

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0417 - EPA 3050B (continued)									
Duplicate (B4B0417-DUP1) - Continued		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Cadmium	0.073881	1.0		0.08337	NR		12.1	20	
Chromium	25.0067	1.0		23.7922	NR		4.98	20	
Cobalt	7.00694	1.0		7.28444	NR		3.88	20	
Copper	15.6736	2.0		14.0512	NR		10.9	20	
Lead	6.54819	1.0		6.50522	NR		0.658	20	
Molybdenum	0.548632	1.0		0.266034	NR		69.4	20	R
Nickel	27.6892	1.0		27.8150	NR		0.453	20	
Selenium	ND	1.0		ND	NR			20	
Silver	ND	1.0		ND	NR			20	
Thallium	ND	1.0		ND	NR			20	
Vanadium	33.6896	1.0		23.3459	NR		36.3	20	R
Zinc	38.8840	1.0		40.2821	NR		3.53	20	
Duplicate (B4B0417-DUP2)		**Source: 1400508-13RE1**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	0.459654	4.0		ND	NR			20	
Arsenic	4.69227	2.0		4.36970	NR		7.12	20	
Barium	106.715	2.0		110.386	NR		3.38	20	
Beryllium	0.331660	2.0		0.334590	NR		0.880	20	
Cadmium	0.079573	2.0		0.087235	NR		9.19	20	
Chromium	27.5929	2.0		26.5211	NR		3.96	20	
Cobalt	7.66028	2.0		8.04038	NR		4.84	20	
Copper	17.2324	4.0		15.6223	NR		9.80	20	
Lead	7.22197	2.0		7.29606	NR		1.02	20	
Molybdenum	0.656084	2.0		0.256459	NR		87.6	20	R
Nickel	32.6182	2.0		32.9120	NR		0.897	20	
Selenium	ND	2.0		ND	NR			20	
Silver	ND	2.0		ND	NR			20	
Thallium	ND	2.0		ND	NR			20	
Vanadium	37.1448	2.0		25.7618	NR		36.2	20	R
Zinc	43.1297	2.0		45.1691	NR		4.62	20	
Matrix Spike (B4B0417-MS1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	83.3406	2.0	125.000	ND	66.7	21 - 109			
Arsenic	103.581	1.0	125.000	4.07976	79.6	55 - 102			
Barium	192.310	1.0	125.000	98.5394	75.0	40 - 130			
Beryllium	102.574	1.0	125.000	0.306200	81.8	60 - 104			
Cadmium	94.1258	1.0	125.000	0.08337	75.2	52 - 100			
Chromium	126.962	1.0	125.000	23.7922	82.5	53 - 113			
Cobalt	102.268	1.0	125.000	7.28444	76.0	53 - 104			
Copper	122.965	2.0	125.000	14.0512	87.1	51 - 122			
Lead	100.957	1.0	125.000	6.50522	75.6	51 - 106			
Molybdenum	99.2634	1.0	125.000	0.266034	79.2	55 - 103			

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0417 - EPA 3050B (continued)									
Matrix Spike (B4B0417-MS1) - Continued		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Nickel	120.816	1.0	125.000	27.8150	74.4	48 - 112			
Selenium	94.3711	1.0	125.000	ND	75.5	53 - 104			
Silver	104.841	1.0	125.000	ND	83.9	61 - 109			
Thallium	93.2072	1.0	125.000	ND	74.6	44 - 103			
Vanadium	131.514	1.0	125.000	23.3459	86.5	55 - 115			
Zinc	133.642	1.0	125.000	40.2821	74.7	24 - 130			
Matrix Spike (B4B0417-MS2)		**Source: 1400508-13RE1**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	90.5078	4.0	125.000	ND	72.4	21 - 109			
Arsenic	113.694	2.0	125.000	4.36970	87.5	55 - 102			
Barium	211.554	2.0	125.000	110.386	80.9	40 - 130			
Beryllium	111.277	2.0	125.000	0.334590	88.8	60 - 104			
Cadmium	106.779	2.0	125.000	0.087235	85.4	52 - 100			
Chromium	140.393	2.0	125.000	26.5211	91.1	53 - 113			
Cobalt	116.088	2.0	125.000	8.04038	86.4	53 - 104			
Copper	130.912	4.0	125.000	15.6223	92.2	51 - 122			
Lead	115.894	2.0	125.000	7.29606	86.9	51 - 106			
Molybdenum	110.588	2.0	125.000	0.256459	88.3	55 - 103			
Nickel	137.659	2.0	125.000	32.9120	83.8	48 - 112			
Selenium	104.189	2.0	125.000	ND	83.4	53 - 104			
Silver	112.512	2.0	125.000	ND	90.0	61 - 109			
Thallium	106.667	2.0	125.000	ND	85.3	44 - 103			
Vanadium	142.215	2.0	125.000	25.7618	93.2	55 - 115			
Zinc	150.992	2.0	125.000	45.1691	84.7	24 - 130			
Matrix Spike Dup (B4B0417-MSD1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	83.7042	2.0	125.628	ND	66.6	21 - 109	0.435	20	
Arsenic	101.801	1.0	125.628	4.07976	77.8	55 - 102	1.73	20	
Barium	196.006	1.0	125.628	98.5394	77.6	40 - 130	1.90	20	
Beryllium	102.315	1.0	125.628	0.306200	81.2	60 - 104	0.253	20	
Cadmium	94.5829	1.0	125.628	0.08337	75.2	52 - 100	0.484	20	
Chromium	123.414	1.0	125.628	23.7922	79.3	53 - 113	2.83	20	
Cobalt	102.021	1.0	125.628	7.28444	75.4	53 - 104	0.241	20	
Copper	122.942	2.0	125.628	14.0512	86.7	51 - 122	0.0185	20	
Lead	100.824	1.0	125.628	6.50522	75.1	51 - 106	0.132	20	
Molybdenum	98.4344	1.0	125.628	0.266034	78.1	55 - 103	0.839	20	
Nickel	123.461	1.0	125.628	27.8150	76.1	48 - 112	2.17	20	
Selenium	94.2639	1.0	125.628	ND	75.0	53 - 104	0.114	20	
Silver	104.690	1.0	125.628	ND	83.3	61 - 109	0.144	20	
Thallium	92.7946	1.0	125.628	ND	73.9	44 - 103	0.444	20	
Vanadium	131.857	1.0	125.628	23.3459	86.4	55 - 115	0.261	20	
Zinc	135.956	1.0	125.628	40.2821	76.2	24 - 130	1.72	20	

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Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0417 - EPA 3050B (continued)									
Matrix Spike Dup (B4B0417-MSD2)		**Source: 1400508-13RE1**		Prepared: 2/26/2014 Analyzed: 2/27/2014					
Antimony	92.7719	4.0	125.628	ND	73.8	21 - 109	2.47	20	
Arsenic	114.725	2.0	125.628	4.36970	87.8	55 - 102	0.903	20	
Barium	216.571	2.0	125.628	110.386	84.5	40 - 130	2.34	20	
Beryllium	111.645	2.0	125.628	0.334590	88.6	60 - 104	0.330	20	
Cadmium	107.122	2.0	125.628	0.087235	85.2	52 - 100	0.321	20	
Chromium	136.447	2.0	125.628	26.5211	87.5	53 - 113	2.85	20	
Cobalt	116.251	2.0	125.628	8.04038	86.1	53 - 104	0.140	20	
Copper	130.635	4.0	125.628	15.6223	91.5	51 - 122	0.212	20	
Lead	117.247	2.0	125.628	7.29606	87.5	51 - 106	1.16	20	
Molybdenum	110.929	2.0	125.628	0.256459	88.1	55 - 103	0.308	20	
Nickel	134.115	2.0	125.628	32.9120	80.6	48 - 112	2.61	20	
Selenium	105.264	2.0	125.628	ND	83.8	53 - 104	1.03	20	
Silver	113.657	2.0	125.628	ND	90.5	61 - 109	1.01	20	
Thallium	107.360	2.0	125.628	ND	85.5	44 - 103	0.648	20	
Vanadium	144.304	2.0	125.628	25.7618	94.4	55 - 115	1.46	20	
Zinc	152.480	2.0	125.628	45.1691	85.4	24 - 130	0.980	20	

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Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0419 - EPA 7471									
Blank (B4B0419-BLK1)				Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	ND	0.10			NR				
LCS (B4B0419-BS1)				Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	0.700702	0.10	0.833333		84.1	80 - 120			
Duplicate (B4B0419-DUP1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	0.046574	0.10		0.051857	NR		10.7	20	
Matrix Spike (B4B0419-MS1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	0.744652	0.10	0.819672	0.051857	84.5	70 - 130			
Matrix Spike Dup (B4B0419-MSD1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	0.724714	0.10	0.819672	0.051857	82.1	70 - 130	2.71	20	
Post Spike (B4B0419-PS1)		**Source: 1400508-13**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Mercury	5.5702E-3		5.00000E-3	0.000622	99.0	85 - 115			

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Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0305 - GCVOAS									
Blank (B4B0305-BLK1)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.2300*		*0.200000*		*115*	*48 - 137*			
LCS (B4B0305-BS1)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	4.94600	1.0	5.00000		98.9	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2584*		*0.200000*		*129*	*48 - 137*			
LCS Dup (B4B0305-BSD1)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	5.29200	1.0	5.00000		106	70 - 130	6.76	20	
Surrogate: 4-Bromofluorobenzene	*0.2408*		*0.200000*		*120*	*48 - 137*			
Duplicate (B4B0305-DUP1)		**Source: 1400486-01**		Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	ND	1.0		ND	NR			20	
Surrogate: 4-Bromofluorobenzene	*0.2298*		*0.200000*		*115*	*48 - 137*			
Matrix Spike (B4B0305-MS1)		**Source: 1400486-01**		Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	5.26700	1.0	5.00000	ND	105	50 - 122			
Surrogate: 4-Bromofluorobenzene	*0.2210*		*0.200000*		*110*	*48 - 137*			
Matrix Spike Dup (B4B0305-MSD1)		**Source: 1400486-01**		Prepared: 2/20/2014 Analyzed: 2/20/2014					
Gasoline Range Organics	4.53700	1.0	5.00000	ND	90.7	50 - 122	14.9	20	
Surrogate: 4-Bromofluorobenzene	*0.2697*		*0.200000*		*135*	*48 - 137*			

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Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0408 - GCSEMI_DRO_SOIL_LL									
Blank (B4B0408-BLK1)					Prepared: 2/26/2014 Analyzed: 2/26/2014				
DRO	ND	1.0			NR				
ORO	ND	1.0			NR				
Surrogate: p-Terphenyl	*2.108*		*2.66667*		*79.1*	*26 - 145*			
LCS (B4B0408-BS1)					Prepared: 2/26/2014 Analyzed: 2/26/2014				
DRO	31.1467	1.0	33.3333		93.4	28 - 138			
Surrogate: p-Terphenyl	*2.536*		*2.66667*		*95.1*	*26 - 145*			
Matrix Spike (B4B0408-MS1)		**Source: 1400508-13**			Prepared: 2/26/2014 Analyzed: 2/27/2014				
DRO	44.0673	1.0	33.3333	21.9703	66.3	18 - 122			
Surrogate: p-Terphenyl	*2.227*		*2.66667*		*83.5*	*26 - 145*			
Matrix Spike Dup (B4B0408-MSD1)		**Source: 1400508-13**			Prepared: 2/26/2014 Analyzed: 2/27/2014				
DRO	34.6493	1.0	33.3333	21.9703	38.0	18 - 122	23.9	20	R2
Surrogate: p-Terphenyl	*2.499*		*2.66667*		*93.7*	*26 - 145*			

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BTEX/MTBE by EPA 8021 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0305 - GCVOAS									
Blank (B4B0305-BLK1)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Benzene	ND	5.0			NR				
Toluene	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
o-Xylene	ND	5.0			NR				
Surrogate: 4-Bromofluorobenzene	*183.5*		*200.000*		*91.7*	*53 - 144*			
LCS (B4B0305-BS2)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Benzene	78.8830	5.0	100.000		78.9	70 - 130			
Toluene	79.8310	5.0	100.000		79.8	70 - 130			
Ethylbenzene	79.7430	5.0	100.000		79.7	70 - 130			
m,p-Xylene	166.457	10	200.000		83.2	70 - 130			
o-Xylene	82.6640	5.0	100.000		82.7	70 - 130			
Surrogate: 4-Bromofluorobenzene	*178.2*		*200.000*		*89.1*	*53 - 144*			
LCS Dup (B4B0305-BSD2)				Prepared: 2/20/2014 Analyzed: 2/20/2014					
Benzene	82.3320	5.0	100.000		82.3	70 - 130	4.28	20	
Toluene	82.7460	5.0	100.000		82.7	70 - 130	3.59	20	
Ethylbenzene	82.5930	5.0	100.000		82.6	70 - 130	3.51	20	
m,p-Xylene	172.959	10	200.000		86.5	70 - 130	3.83	20	
o-Xylene	84.7920	5.0	100.000		84.8	70 - 130	2.54	20	
Surrogate: 4-Bromofluorobenzene	*174.3*		*200.000*		*87.2*	*53 - 144*			

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BTEX/MTBE by EPA 8021 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0305 - GCVOAS (continued)									
Matrix Spike (B4B0305-MS1)		**Source: 1400486-01**		Prepared: 2/20/2014 Analyzed: 2/20/2014					
Benzene	41.4080	5.0	40.7500	ND	102	14 - 146			
Toluene	154.079	5.0	202.250	ND	76.2	33 - 123			
Ethylbenzene	47.1480	5.0	76.0000	ND	62.0	20 - 102			
m,p-Xylene	167.252	10	206.500	ND	81.0	39 - 120			
o-Xylene	62.8100	5.0	73.5000	ND	85.5	34 - 131			
Surrogate: 4-Bromofluorobenzene	*182.3*		*200.000*		*91.1*	*53 - 144*			

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BTEX/MTBE by EPA 8021 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0305 - GCVOAS (continued)									
Matrix Spike Dup (B4B0305-MSD1)		**Source: 1400486-01**		Prepared: 2/20/2014 Analyzed: 2/20/2014					
Benzene	36.9300	5.0	40.7500	ND	90.6	14 - 146	11.4	20	
Toluene	144.103	5.0	202.250	ND	71.2	33 - 123	6.69	20	
Ethylbenzene	42.8910	5.0	76.0000	ND	56.4	20 - 102	9.46	20	
m,p-Xylene	155.043	10	206.500	ND	75.1	39 - 120	7.58	20	
o-Xylene	58.8880	5.0	73.5000	ND	80.1	34 - 131	6.45	20	
Surrogate: 4-Bromofluorobenzene	*188.8*		*200.000*		*94.4*	*53 - 144*			

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Ninyo & Moore		Project Number :	Ashland
1956 Webster Street, Suite 400		Report To :	Peter Sims
Oakland , CA 94612		Reported :	02/27/2014

Notes and Definitions

R2	RPD value outside acceptance criteria due to possible matrix interference.
R	RPD value outside acceptance criteria. Calculation is based on raw values.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA1	CA-NELAP (CDPH)
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: ______ Quote #: ______

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print):
Signature:

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☑ GSO ☐ Other: ______

Sample Condition Upon Receipt (1.5°C)

1. CHILLED Y ☑ N ☐ — 4. SEALED Y ☐ N ☐
2. HEADSPACE (VOA) Y ☐ N ☐ — 5. # OF SPLS MATCH COC Y ☐ N ☐
3. CONTAINER INTACT Y ☐ N ☐ — 6. PRESERVED Y ☐ N ☐

Client: Ninyo and Moore — Address: 1956 Webster St — TEL: 510-343-3000
Attn: Peter Sims — City: Oakland — State: CA — Zip Code: 94612 — FAX: 510-343-3001

Project Name: Ashland — Project #: — Sampler: (Printed Name) Sheila Magladry (Signature) Sheila Magladry

Relinquished by	Date	Time	Received by	Date	Time
Sheila Magladry	2/19/14	11:55	Peter Sims	2/19/14	11:55
Peter Sims	2/19/14	257p	Jeff Siegfried	2/19/14	257p
Jeff Siegfried	2/19/14	322p	GSO	2/19/14	322p

Bill To:
Attn: Peter Sims — E-mail: psims@ninyoandmoore.com
Company: Ninyo and Moore
Address: 1956 Webster
City: Oakland State: CA Zip: 94612

Send Report To:
Attn: Same — E-mail:
Company:
Address:
City: State: Zip:

Special Instructions/Comments: 2/20/14 [illegible]
Comp-1 = SP1-1, SP1-2, SP1-3, SP1-4
Comp-2 = SP2-1, SP2-2, SP2-3, SP2-4
Comp-3 = SP3-1, SP3-2, SP3-3, SP3-4

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
- Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.

Hardcopy Reports $17.50 per report.

BUSINESS HOURS 8:30 am to 5:30 pm

CIRCLE or Write IN Analyses Needed: 8260-624 (Volatiles); 8015B (GRO) / 8021 (BTEX); TO-15 / TO-14 / TO-3 / RSK-175; 8270B-625(BNA) / 8310(PAHs); 8015B(DRO)/8015B(HCID); 8081 OrgCl / 8141 OrgPO4 Pest; 8082 PCBs; 6010B-200.7 CAM Metals; 6010B-200.7 Metals; 6020B-200.8-1640 Metals; 7199-218.6 (Hex. Chromium); 300(Anions) / 314 (Perchlorate)

CIRCLE APPROPRIATE MATRIX: SOIL/SEDIMENT/SLUDGE; SOLIDS/WIPES/FILTERS; WATER-DRINKING/GROUND; WATER-STORM/WASTE; AQUEOUS/LAYERED-OIL

Item	Lab No.	Sample I.D. / Location	Date	Time	8260-624 (Volatiles)	Matrix	TAT	Container #	Container Type	Preservation	Remarks
1	1400508-1	SP1-1	2/19	8:41		SOIL	10	1	5	4	
2	-2	SP1-2	2/19	8:45		SOIL	10	1	5	4	
3	-3	SP1-3	2/19	8:48		SOIL	10	1	5	4	
4	-4	SP1-4	2/19	8:50	X	SOIL	10	2	5	4	
5	-5	SP2-1	2/19	8:55		SOIL	10	1	5	4	
6	-6	SP2-2	2/19	9:00	X	SOIL	10	2	5	4	
7	-7	SP2-3	2/19	9:02		SOIL	10	1	5	4	
8	-8	SP2-4	2/19	9:06		SOIL	10	1	5	4	
9	-9	SP3-1	2/19	9:22	X	SOIL	10	2	5	4	
10	-10	SP3-2	2/19	9:27		SOIL	10	1	5	4	

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode ____ OTHER ____

Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.
Weekend, Holiday, Off Hours Work ASK for QUOTE

Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7=Canister
Material: 1=Glass 2=Plastic 3=Metal
Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM	NO SURCHARGE 5-7 BUSINESS DAYS 5:30 PM	10% DISCOUNT 10th BUSINESS DAY 5:30 PM

For RUSH TCLP/STLC, add 2 days to respective TAT.
Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print):

Signature:

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

Method of Transport
☐ Client ☐ ATL
☐ FedEx ☐ OnTrac
☑ GSO
☐ Other: _____

FOR LABORATORY USE ONLY:

Sample Condition Upon Receipt
1. CHILLED Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: Ninyo and Moore
Attn: Peter Sims
Address: 1956 Webster
City: Oakland State: CA Zip Code: 94612
TEL: 510-343-3000
FAX: 510-343-3001

Project Name: Ashland
Project #:
Sampler: (Printed Name) Sheila Magladry (Signature) Sheila Magladry

Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name)	Date:	Time:
Sheila Magladry Sheila Magladry	2/19/14	11:55		2/19/14	11:55
Peter Sims	2/19/14	1457	Jeff Siegfried	2/19/14	257p
Jeff Siegfried	2/19/14	322p	GSO Courier	2/19/14	322p

Bill To:
Attn: Peter Sims E-mail: psims@
Company: Ninyo and Moore .com
Address: 1956 Webster
City: Oakland State: CA Zip: 94612

Send Report To: Same
Attn: E-mail:
Company:
Address:
City: State: Zip:

Special Instructions/Comments:
Comp-3 = SP3-1, SP3-2, SP3-3, SP3-4

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
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■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
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CIRCLE or Write IN Analyses Needed

CIRCLE APPROPRIATE MATRIX: SOIL/SEDIMENT/SLUDGE; SOLIDS/WIPES/FILTERS; WATER-DRINKING/GROUND; WATER-STORM/WASTE; AQUEOUS/LAYERED-OIL

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260-624 (Volatiles)	8015B (GRO) / ~~8021 (BTEX)~~	TO-15 / TO-14 / TO-3 / RSK-175	8270B-625(BNA) / 8310(PAHs)	8015B(DRO)/~~8015M(CHC)~~ ORO	8081 OrgCl / 8141 OrgPO4 Pest	8082 PCBs	6010B-200.7 CAM Metals Title 22	6010B-200.7 Metals	6020B-200.8-1640 Metals	7199-218.6 (Hex. Chromium)	300(Anions) / 314 (Perchlorate)	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	1400507 -11	SP3-3	2/19	9:34								1					10	1	5	4	
2	-12	SP3-4	2/19	9:38								1						1	5	4	
3	-13	Comp-1			X		X		X												
4	-14	Comp-2			X		X		X												
5	-15	comp-3			X		X		X												
6																					
7																					
8																					
9																					
10																					

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode: OTHER

☐ Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.
Weekend, Holiday, Off Hours Work ASK for QUOTE
Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7= Canister
Material: 1=Glass 2=Plastic 3=Metal
Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM	10% DISCOUNT 10th BUSINESS DAY 5:30 PM

For RUSH TCLP/STLC, add 2 days to respective TAT.
Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

March 12, 2014

Peter Sims
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 633-5640
Fax:(510) 633-5646

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1400547

Client Reference : Ashland Housing Project, 402090002

Enclosed are the results for sample(s) received on February 25, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

Ninyo & Moore		Project Number :	Ashland Housing Project, 402090002
1956 Webster Street, Suite 400		Report To :	Peter Sims
Oakland , CA 94612		Reported :	03/12/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP4-1	1400547-01	Soil	2/24/14 9:15	2/25/14 8:40
SP5-2	1400547-06	Soil	2/24/14 9:25	2/25/14 8:40
SP6-3	1400547-11	Soil	2/24/14 9:35	2/25/14 8:40
SP7-4	1400547-16	Soil	2/24/14 9:45	2/25/14 8:40
COMP-4	1400547-17	Soil	2/24/14 0:00	2/25/14 8:40
COMP-5	1400547-18	Soil	2/24/14 0:00	2/25/14 8:40
COMP-6	1400547-19	Soil	2/24/14 0:00	2/25/14 8:40
COMP-7	1400547-20	Soil	2/24/14 0:00	2/25/14 8:40

CASE NARRATIVE

The sample for Asbestos CARB 435 (400 pt ct) analysis was subcontracted to AmeriSci Los Angeles with ELAP Cert.# 2322.

The sample for EPA 8141 (Organophosphorus Pesticides) and EPA 8151 (Chlorinated Herbicides) was subcontracted to AETL with ELAP Cert.# 1541.

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP4-1

Lab ID: 1400547-01

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:17	
Toluene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:17	
Ethylbenzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:17	
m,p-Xylene	ND	10	NA	1	B4B0410	02/26/2014	02/26/14 12:17	
o-Xylene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:17	
Surrogate: 4-Bromofluorobenzene	*105 %*	*53 - 144*			B4B0410	02/26/2014	*02/26/14 12:17*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP5-2

Lab ID: 1400547-06

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:33	
Toluene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:33	
Ethylbenzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:33	
m,p-Xylene	ND	10	NA	1	B4B0410	02/26/2014	02/26/14 12:33	
o-Xylene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:33	
Surrogate: 4-Bromofluorobenzene	*98.6 %*	*53 - 144*			B4B0410	02/26/2014	*02/26/14 12:33*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP6-3

Lab ID: 1400547-11

BTEX/MTBE by EPA 8021 **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:49	
Toluene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:49	
Ethylbenzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:49	
m,p-Xylene	ND	10	NA	1	B4B0410	02/26/2014	02/26/14 12:49	
o-Xylene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 12:49	
Surrogate: 4-Bromofluorobenzene	*98.1 %*	*53 - 144*			B4B0410	02/26/2014	*02/26/14 12:49*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP7-4
Lab ID: 1400547-16

BTEX/MTBE by EPA 8021

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 13:05	
Toluene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 13:05	
Ethylbenzene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 13:05	
m,p-Xylene	ND	10	NA	1	B4B0410	02/26/2014	02/26/14 13:05	
o-Xylene	ND	5.0	NA	1	B4B0410	02/26/2014	02/26/14 13:05	
Surrogate: 4-Bromofluorobenzene	*100 %*	*53 - 144*			B4B0410	02/26/2014	*02/26/14 13:05*	

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,1,1,2-Tetrachloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1,1-Trichloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1,2,2-Tetrachloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1,2-Trichloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1-Dichloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1-Dichloroethene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,1-Dichloropropene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2,3-Trichloropropane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2,3-Trichlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2,4-Trichlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2,4-Trimethylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2-Dibromo-3-chloropropane	ND	10	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2-Dibromoethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2-Dichlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2-Dichloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,2-Dichloropropane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,3,5-Trimethylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,3-Dichlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,3-Dichloropropane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
1,4-Dichlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
2,2-Dichloropropane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
2-Chlorotoluene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
4-Chlorotoluene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
4-Isopropyltoluene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Benzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Bromobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP7-4

Lab ID: 1400547-16

Volatile Organic Compounds by EPA 8260B **Analyst: TP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Bromochloromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Bromodichloromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Bromoform	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Bromomethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Carbon disulfide	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Carbon tetrachloride	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Chlorobenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Chloroethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Chloroform	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Chloromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
cis-1,2-Dichloroethene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
cis-1,3-Dichloropropene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Di-isopropyl ether	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Dibromochloromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Dibromomethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Dichlorodifluoromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Ethyl Acetate	ND	50	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Ethyl Ether	ND	50	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Ethyl tert-butyl ether	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Ethylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Freon-113	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Hexachlorobutadiene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Isopropylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
m,p-Xylene	ND	10	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Methylene chloride	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
MTBE	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
n-Butylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
n-Propylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Naphthalene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
o-Xylene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
sec-Butylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Styrene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
tert-Amyl methyl ether	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
tert-Butanol	ND	100	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
tert-Butylbenzene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Tetrachloroethene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Toluene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP7-4
Lab ID: 1400547-16

Volatile Organic Compounds by EPA 8260B

Analyst: TP

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
trans-1,2-Dichloroethene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
trans-1,3-Dichloropropene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Trichloroethene	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Trichlorofluoromethane	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Vinyl acetate	ND	50	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Vinyl chloride	ND	5.0	NA	1	B4C0012	03/03/2014	03/03/14 18:04	
Surrogate: 1,2-Dichloroethane-d4	*78.1 %*	*67 - 152*			B4C0012	03/03/2014	*03/03/14 18:04*	
Surrogate: 4-Bromofluorobenzene	*85.6 %*	*59 - 135*			B4C0012	03/03/2014	*03/03/14 18:04*	
Surrogate: Dibromofluoromethane	*93.2 %*	*71 - 150*			B4C0012	03/03/2014	*03/03/14 18:04*	
Surrogate: Toluene-d8	*92.2 %*	*77 - 129*			B4C0012	03/03/2014	*03/03/14 18:04*	

Semivolatile Organic Compounds by EPA 8270C

Analyst: BD

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
1,2,4-Trichlorobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
1,2-Dichlorobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
1,3-Dichlorobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
1,4-Dichlorobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4,5-Trichlorophenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4,6-Trichlorophenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4-Dichlorophenol	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4-Dimethylphenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4-Dinitrophenol	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,4-Dinitrotoluene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2,6-Dinitrotoluene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Chloronaphthalene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Chlorophenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Methylnaphthalene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Methylphenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Nitroaniline	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
2-Nitrophenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
3,3´-Dichlorobenzidine	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
3-Nitroaniline	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4,6-Dinitro-2-methyphenol	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Bromophenyl-phenylether	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Chloro-3-methylphenol	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP7-4

Lab ID: 1400547-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4-Chloroaniline	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Chlorophenyl-phenylether	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Methylphenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Nitroaniline	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
4-Nitrophenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Acenaphthene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Acenaphthylene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Anthracene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzidine (M)	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzo(a)anthracene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzo(a)pyrene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzo(b)fluoranthene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzo(g,h,i)perylene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzo(k)fluoranthene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzoic acid	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Benzyl alcohol	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
bis(2-chloroethoxy)methane	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
bis(2-Chloroethyl)ether	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
bis(2-chloroisopropyl)ether	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
bis(2-ethylhexyl)phthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Butylbenzylphthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Chrysene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Di-n-butylphthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Di-n-octylphthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Dibenz(a,h)anthracene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Dibenzofuran	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Diethyl phthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Dimethyl phthalate	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Fluoranthene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Fluorene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Hexachlorobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Hexachlorobutadiene	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Hexachlorocyclopentadiene	ND	6600	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Hexachloroethane	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Indeno(1,2,3-cd)pyrene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Isophorone	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
N-Nitroso-di-n propylamine	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID SP7-4

Lab ID: 1400547-16

Semivolatile Organic Compounds by EPA 8270C **Analyst: BD**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
N-Nitrosodiphenylamine	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Naphthalene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Nitrobenzene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Pentachlorophenol	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Phenanthrene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Phenol	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Pyrene	ND	3300	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Pyridine	ND	16000	NA	10	B4C0053	03/04/2014	03/05/14 15:01	D1
Surrogate: 1,2-Dichlorobenzene-d4	*81.0 %*	*42 - 119*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: 2,4,6-Tribromophenol	*87.7 %*	*27 - 150*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: 2-Chlorophenol-d4	*84.3 %*	*40 - 126*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: 2-Fluorobiphenyl	*86.5 %*	*54 - 128*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: 2-Fluorophenol	*79.8 %*	*33 - 133*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: 4-Terphenyl-d14	*95.0 %*	*37 - 160*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: Nitrobenzene-d5	*76.1 %*	*41 - 128*			B4C0053	03/04/2014	*03/05/14 15:01*	D1
Surrogate: Phenol-d5	*82.4 %*	*33 - 127*			B4C0053	03/04/2014	*03/05/14 15:01*	D1

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-4
Lab ID: 1400547-17

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Arsenic	**3.6**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Barium	**77**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Beryllium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Cadmium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Chromium	**21**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Cobalt	**8.1**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Copper	**18**	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Lead	**14**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Molybdenum	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Nickel	**31**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Selenium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Silver	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Thallium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Vanadium	**21**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	
Zinc	**38**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:31	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0479	02/28/2014	02/28/14 17:00	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0410	02/26/2014	02/26/14 13:21	
Surrogate: 4-Bromofluorobenzene	*99.0 %*		*48 - 137*		B4B0410	02/26/2014	*02/26/14 13:21*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**98**	4.0	NA	2	B4B0441	02/27/2014	02/27/14 19:27	
ORO	**410**	4.0	NA	2	B4B0441	02/27/2014	02/27/14 19:27	
Surrogate: p-Terphenyl	*103 %*		*26 - 145*		B4B0441	02/27/2014	*02/27/14 19:27*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-5

Lab ID: 1400547-18

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Arsenic	**3.4**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Barium	**76**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Beryllium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Cadmium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Chromium	**28**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Cobalt	**6.6**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Copper	**20**	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Lead	**9.7**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Molybdenum	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Nickel	**28**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Selenium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Silver	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Thallium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Vanadium	**24**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	
Zinc	**38**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:33	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0479	02/28/2014	02/28/14 17:12	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0410	02/26/2014	02/26/14 13:36	
Surrogate: 4-Bromofluorobenzene	*96.8 %*	*48 - 137*			B4B0410	02/26/2014	*02/26/14 13:36*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**170**	4.0	NA	2	B4B0441	02/27/2014	02/27/14 19:44	
ORO	**650**	4.0	NA	2	B4B0441	02/27/2014	02/27/14 19:44	
Surrogate: p-Terphenyl	*102 %*	*26 - 145*			B4B0441	02/27/2014	*02/27/14 19:44*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-6

Lab ID: 1400547-19

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Arsenic	**3.6**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Barium	**68**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Beryllium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Cadmium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Chromium	**20**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Cobalt	**6.4**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Copper	**16**	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Lead	**6.2**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Molybdenum	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Nickel	**25**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Selenium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Silver	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Thallium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Vanadium	**24**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	
Zinc	**36**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:38	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0479	02/28/2014	02/28/14 17:15	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0410	02/26/2014	02/26/14 13:52	
Surrogate: 4-Bromofluorobenzene	*99.7 %*	*48 - 137*			B4B0410	02/26/2014	*02/26/14 13:52*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**430**	10	NA	5	B4B0441	02/27/2014	02/27/14 20:01	
ORO	**1600**	10	NA	5	B4B0441	02/27/2014	02/27/14 20:01	
Surrogate: p-Terphenyl	*101 %*	*26 - 145*			B4B0441	02/27/2014	*02/27/14 20:01*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-7

Lab ID: 1400547-20

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Arsenic	**3.6**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Barium	**97**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Beryllium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Cadmium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Chromium	**23**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Cobalt	**7.1**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Copper	**18**	2.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Lead	**11**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Molybdenum	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Nickel	**26**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Selenium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Silver	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Thallium	ND	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Vanadium	**23**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	
Zinc	**37**	1.0	NA	1	B4B0455	02/28/2014	02/28/14 22:40	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: SB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4B0479	02/28/2014	02/28/14 17:17	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: TP

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4B0410	02/26/2014	02/26/14 14:07	
Surrogate: 4-Bromofluorobenzene	*94.0 %*	*48 - 137*			B4B0410	02/26/2014	*02/26/14 14:07*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**18**	2.0	NA	2	B4B0441	02/27/2014	02/27/14 18:03	
ORO	**69**	2.0	NA	2	B4B0441	02/27/2014	02/27/14 18:03	
Surrogate: p-Terphenyl	*72.5 %*	*26 - 145*			B4B0441	02/27/2014	*02/27/14 18:03*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-7

Lab ID: 1400547-20

Organochlorine Pesticides by EPA 8081 **Analyst: PIL**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
4,4´-DDD	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
4,4´-DDE [2C]	**2.2**	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
4,4´-DDT	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Aldrin	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
alpha-BHC	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
alpha-Chlordane	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
beta-BHC	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Chlordane	ND	8.5	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
delta-BHC	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Dieldrin [2C]	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endosulfan I	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endosulfan II	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endosulfan sulfate	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endrin	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endrin aldehyde	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Endrin ketone	ND	2.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
gamma-BHC	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
gamma-Chlordane	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Heptachlor	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Heptachlor epoxide	ND	1.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Methoxychlor	ND	5.0	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Toxaphene	ND	50	NA	1	B4C0074	03/05/2014	03/05/14 17:13	
Surrogate: Decachlorobiphenyl	*72.0 %*	*29 - 143*			B4C0074	03/05/2014	*03/05/14 17:13*	
Surrogate: Tetrachloro-m-xylene	*89.1 %*	*52 - 114*			B4C0074	03/05/2014	*03/05/14 17:13*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Client Sample ID COMP-7

Lab ID: 1400547-20

Polychlorinated Biphenyls by EPA 8082 **Analyst: PIL**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Aroclor 1016	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1221	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1232	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1242	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1248	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1254	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1260	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1262	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Aroclor 1268	ND	16	NA	1	B4C0074	03/05/2014	03/05/14 12:56	
Surrogate: Decachlorobiphenyl	*88.3 %*	*16 - 152*			B4C0074	03/05/2014	*03/05/14 12:56*	
Surrogate: Tetrachloro-m-xylene	*92.6 %*	*38 - 131*			B4C0074	03/05/2014	*03/05/14 12:56*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0455 - EPA 3050B									
Blank (B4B0455-BLK1)					Prepared: 2/28/2014 Analyzed: 2/28/2014				
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B4B0455-BS1)					Prepared: 2/28/2014 Analyzed: 2/28/2014				
Antimony	46.7297	2.0	50.0000		93.5	80 - 120			
Arsenic	46.2201	1.0	50.0000		92.4	80 - 120			
Barium	47.7153	1.0	50.0000		95.4	80 - 120			
Beryllium	48.3225	1.0	50.0000		96.6	80 - 120			
Cadmium	46.8584	1.0	50.0000		93.7	80 - 120			
Chromium	49.1868	1.0	50.0000		98.4	80 - 120			
Cobalt	48.8026	1.0	50.0000		97.6	80 - 120			
Copper	49.4048	2.0	50.0000		98.8	80 - 120			
Lead	48.0076	1.0	50.0000		96.0	80 - 120			
Molybdenum	49.7643	1.0	50.0000		99.5	80 - 120			
Nickel	47.8957	1.0	50.0000		95.8	80 - 120			
Selenium	43.1234	1.0	50.0000		86.2	80 - 120			
Silver	52.6882	1.0	50.0000		105	80 - 120			
Thallium	47.6753	1.0	50.0000		95.4	80 - 120			
Vanadium	49.3297	1.0	50.0000		98.7	80 - 120			
Zinc	48.7675	1.0	50.0000		97.5	80 - 120			
Matrix Spike (B4B0455-MS1)		**Source: 1400538-07**			Prepared: 2/28/2014 Analyzed: 2/28/2014				
Antimony	112.952	2.0	125.000	ND	90.4	21 - 109			
Arsenic	116.550	1.0	125.000	1.80968	91.8	55 - 102			
Barium	172.521	1.0	125.000	52.5527	96.0	40 - 130			
Beryllium	114.997	1.0	125.000	0.060134	91.9	60 - 104			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0455 - EPA 3050B (continued)									
Matrix Spike (B4B0455-MS1) - Continued		**Source: 1400538-07**		Prepared: 2/28/2014 Analyzed: 2/28/2014					
Cadmium	107.130	1.0	125.000	ND	85.7	52 - 100			
Chromium	120.275	1.0	125.000	2.08275	94.6	53 - 113			
Cobalt	115.034	1.0	125.000	0.057262	92.0	53 - 104			
Copper	123.366	2.0	125.000	3.83897	95.6	51 - 122			
Lead	132.832	1.0	125.000	20.7431	89.7	51 - 106			
Molybdenum	120.915	1.0	125.000	0.507759	96.3	55 - 103			
Nickel	115.048	1.0	125.000	0.711240	91.5	48 - 112			
Selenium	107.563	1.0	125.000	ND	86.1	53 - 104			
Silver	114.597	1.0	125.000	ND	91.7	61 - 109			
Thallium	112.906	1.0	125.000	0.655987	89.8	44 - 103			
Vanadium	137.834	1.0	125.000	15.0086	98.3	55 - 115			
Zinc	120.868	1.0	125.000	14.5036	85.1	24 - 130			
Matrix Spike Dup (B4B0455-MSD1)		**Source: 1400538-07**		Prepared: 2/28/2014 Analyzed: 2/28/2014					
Antimony	112.947	2.0	125.000	ND	90.4	21 - 109	0.00407	20	
Arsenic	116.126	1.0	125.000	1.80968	91.5	55 - 102	0.364	20	
Barium	175.628	1.0	125.000	52.5527	98.5	40 - 130	1.78	20	
Beryllium	115.033	1.0	125.000	0.060134	92.0	60 - 104	0.0320	20	
Cadmium	107.555	1.0	125.000	ND	86.0	52 - 100	0.396	20	
Chromium	119.755	1.0	125.000	2.08275	94.1	53 - 113	0.434	20	
Cobalt	116.520	1.0	125.000	0.057262	93.2	53 - 104	1.28	20	
Copper	127.528	2.0	125.000	3.83897	99.0	51 - 122	3.32	20	
Lead	133.615	1.0	125.000	20.7431	90.3	51 - 106	0.588	20	
Molybdenum	120.384	1.0	125.000	0.507759	95.9	55 - 103	0.440	20	
Nickel	116.201	1.0	125.000	0.711240	92.4	48 - 112	0.997	20	
Selenium	106.077	1.0	125.000	ND	84.9	53 - 104	1.39	20	
Silver	116.163	1.0	125.000	ND	92.9	61 - 109	1.36	20	
Thallium	111.931	1.0	125.000	0.655987	89.0	44 - 103	0.867	20	
Vanadium	138.172	1.0	125.000	15.0086	98.5	55 - 115	0.244	20	
Zinc	135.276	1.0	125.000	14.5036	96.6	24 - 130	11.3	20	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0479 - EPA 7471									
Blank (B4B0479-BLK1)				Prepared: 2/28/2014 Analyzed: 2/28/2014					
Mercury	ND	0.10			NR				
LCS (B4B0479-BS1)				Prepared: 2/28/2014 Analyzed: 2/28/2014					
Mercury	0.900292	0.10	0.833333		108	80 - 120			
Matrix Spike (B4B0479-MS1)		**Source: 1400547-17**		Prepared: 2/28/2014 Analyzed: 2/28/2014					
Mercury	0.875593	0.10	0.833333	0.075445	96.0	70 - 130			
Matrix Spike Dup (B4B0479-MSD1)		**Source: 1400547-17**		Prepared: 2/28/2014 Analyzed: 2/28/2014					
Mercury	0.877250	0.10	0.833333	0.075445	96.2	70 - 130	0.189	20	
Post Spike (B4B0479-PS1)		**Source: 1400547-17**		Prepared: 2/28/2014 Analyzed: 2/28/2014					
Mercury	0.006641		5.00000E-3	0.000905	115	85 - 115			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0410 - GCVOAS									
Blank (B4B0410-BLK1)					Prepared: 2/26/2014 Analyzed: 2/26/2014				
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.1988*		*0.200000*		*99.4*	*48 - 137*			
LCS (B4B0410-BS1)					Prepared: 2/26/2014 Analyzed: 2/26/2014				
Gasoline Range Organics	4.57500	1.0	5.00000		91.5	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2135*		*0.200000*		*107*	*48 - 137*			
LCS Dup (B4B0410-BSD1)					Prepared: 2/26/2014 Analyzed: 2/26/2014				
Gasoline Range Organics	5.37100	1.0	5.00000		107	70 - 130	16.0	20	
Surrogate: 4-Bromofluorobenzene	*0.2164*		*0.200000*		*108*	*48 - 137*			
Matrix Spike (B4B0410-MS1)		**Source: 1400547-01**			Prepared: 2/26/2014 Analyzed: 2/26/2014				
Gasoline Range Organics	4.47400	1.0	5.00000	ND	89.5	50 - 122			
Surrogate: 4-Bromofluorobenzene	*0.2012*		*0.200000*		*101*	*48 - 137*			
Matrix Spike Dup (B4B0410-MSD1)		**Source: 1400547-01**			Prepared: 2/26/2014 Analyzed: 2/26/2014				
Gasoline Range Organics	4.33100	1.0	5.00000	ND	86.6	50 - 122	3.25	20	
Surrogate: 4-Bromofluorobenzene	*0.2064*		*0.200000*		*103*	*48 - 137*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0441 - GCSEMI_DRO_SOIL_LL									
Blank (B4B0441-BLK1)					Prepared: 2/27/2014 Analyzed: 2/27/2014				
DRO	ND	1.0			NR				
ORO	ND	1.0			NR				
Surrogate: p-Terphenyl	*2.198*		*2.66667*		*82.4*	*26 - 145*			
LCS (B4B0441-BS1)					Prepared: 2/27/2014 Analyzed: 2/27/2014				
DRO	29.4037	1.0	33.3333		88.2	28 - 138			
Surrogate: p-Terphenyl	*2.091*		*2.66667*		*78.4*	*26 - 145*			
Matrix Spike (B4B0441-MS1)		**Source: 1400533-08**			Prepared: 2/27/2014 Analyzed: 2/27/2014				
DRO	38.6647	1.0	33.3333	16.2843	67.1	18 - 122			
Surrogate: p-Terphenyl	*2.139*		*2.66667*		*80.2*	*26 - 145*			
Matrix Spike Dup (B4B0441-MSD1)		**Source: 1400533-08**			Prepared: 2/27/2014 Analyzed: 2/27/2014				
DRO	37.3790	1.0	33.3333	16.2843	63.3	18 - 122	3.38	20	
Surrogate: p-Terphenyl	*2.174*		*2.66667*		*81.5*	*26 - 145*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

BTEX/MTBE by EPA 8021 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4B0410 - GCVOAS									
Blank (B4B0410-BLK1)				Prepared: 2/26/2014 Analyzed: 2/26/2014					
Benzene	ND	5.0			NR				
Toluene	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
o-Xylene	ND	5.0			NR				
Surrogate: 4-Bromofluorobenzene	*206.4*		*200.000*		*103*	*53 - 144*			
LCS (B4B0410-BS2)				Prepared: 2/26/2014 Analyzed: 2/26/2014					
Benzene	96.1820	5.0	100.000		96.2	70 - 130			
Toluene	99.9640	5.0	100.000		100	70 - 130			
Ethylbenzene	98.1540	5.0	100.000		98.2	70 - 130			
m,p-Xylene	207.321	10	200.000		104	70 - 130			
o-Xylene	101.621	5.0	100.000		102	70 - 130			
Surrogate: 4-Bromofluorobenzene	*205.7*		*200.000*		*103*	*53 - 144*			
LCS Dup (B4B0410-BSD2)				Prepared: 2/26/2014 Analyzed: 2/26/2014					
Benzene	100.319	5.0	100.000		100	70 - 130	4.21	20	
Toluene	102.567	5.0	100.000		103	70 - 130	2.57	20	
Ethylbenzene	101.501	5.0	100.000		102	70 - 130	3.35	20	
m,p-Xylene	214.545	10	200.000		107	70 - 130	3.42	20	
o-Xylene	104.145	5.0	100.000		104	70 - 130	2.45	20	
Surrogate: 4-Bromofluorobenzene	*215.1*		*200.000*		*108*	*53 - 144*			
Matrix Spike (B4B0410-MS1)		**Source: 1400547-01**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Benzene	39.1590	5.0	40.7500	ND	96.1	14 - 146			
Toluene	175.430	5.0	202.250	ND	86.7	33 - 123			
Ethylbenzene	53.3050	5.0	76.0000	ND	70.1	20 - 102			
m,p-Xylene	194.459	10	206.500	ND	94.2	39 - 120			
o-Xylene	72.3350	5.0	73.5000	ND	98.4	34 - 131			
Surrogate: 4-Bromofluorobenzene	*209.7*		*200.000*		*105*	*53 - 144*			
Matrix Spike Dup (B4B0410-MSD1)		**Source: 1400547-01**		Prepared: 2/26/2014 Analyzed: 2/26/2014					
Benzene	43.3000	5.0	40.7500	ND	106	14 - 146	10.0	20	
Toluene	170.444	5.0	202.250	ND	84.3	33 - 123	2.88	20	
Ethylbenzene	51.6990	5.0	76.0000	ND	68.0	20 - 102	3.06	20	
m,p-Xylene	188.750	10	206.500	ND	91.4	39 - 120	2.98	20	
o-Xylene	73.3440	5.0	73.5000	ND	99.8	34 - 131	1.39	20	
Surrogate: 4-Bromofluorobenzene	*215.4*		*200.000*		*108*	*53 - 144*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Organochlorine Pesticides by EPA 8081 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST									
Blank (B4C0074-BLK1)			Prepared: 3/5/2014 Analyzed: 3/5/2014						
4,4´-DDD	ND	2.0			NR				
4,4´-DDD [2C]	ND	2.0			NR				
4,4´-DDE	ND	2.0			NR				
4,4´-DDE [2C]	ND	2.0			NR				
4,4´-DDT	ND	2.0			NR				
4,4´-DDT [2C]	ND	2.0			NR				
Aldrin	ND	1.0			NR				
Aldrin [2C]	ND	1.0			NR				
alpha-BHC	ND	1.0			NR				
alpha-BHC [2C]	ND	1.0			NR				
alpha-Chlordane	ND	1.0			NR				
alpha-Chlordane [2C]	ND	1.0			NR				
beta-BHC	ND	1.0			NR				
beta-BHC [2C]	ND	1.0			NR				
Chlordane	ND	8.5			NR				
Chlordane [2C]	ND	8.5			NR				
delta-BHC	ND	1.0			NR				
delta-BHC [2C]	ND	1.0			NR				
Dieldrin	ND	2.0			NR				
Dieldrin [2C]	ND	2.0			NR				
Endosulfan I	ND	1.0			NR				
Endosulfan I [2C]	ND	1.0			NR				
Endosulfan II	ND	2.0			NR				
Endosulfan II [2C]	ND	2.0			NR				
Endosulfan sulfate	ND	2.0			NR				
Endosulfan Sulfate [2C]	ND	2.0			NR				
Endrin	ND	2.0			NR				
Endrin [2C]	ND	2.0			NR				
Endrin aldehyde	ND	2.0			NR				
Endrin aldehyde [2C]	ND	2.0			NR				
Endrin ketone	ND	2.0			NR				
Endrin ketone [2C]	ND	2.0			NR				
gamma-BHC	ND	1.0			NR				
gamma-BHC [2C]	ND	1.0			NR				
gamma-Chlordane	ND	1.0			NR				
gamma-Chlordane [2C]	ND	1.0			NR				
Heptachlor	ND	1.0			NR				
Heptachlor [2C]	ND	1.0			NR				
Heptachlor epoxide	ND	1.0			NR				
Heptachlor epoxide [2C]	ND	1.0			NR				
Methoxychlor	ND	5.0			NR				

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
Blank (B4C0074-BLK1) - Continued					Prepared: 3/5/2014 Analyzed: 3/5/2014				
Methoxychlor [2C]	ND	5.0			NR				
Toxaphene	ND	50			NR				
Toxaphene [2C]	ND	50			NR				
Surrogate: Decachlorobiphenyl	*13.17*		*16.6667*		*79.0*	*29 - 143*			
Surrogate: Decachlorobiphenyl [2C]	*13.30*		*16.6667*		*79.8*	*29 - 143*			
Surrogate: Tetrachloro-m-xylene	*12.02*		*16.6667*		*72.1*	*52 - 114*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.42*		*16.6667*		*74.5*	*52 - 114*			
LCS (B4C0074-BS1)					Prepared: 3/5/2014 Analyzed: 3/5/2014				
4,4´-DDT	11.4855	2.0	16.6667		68.9	50 - 110			
4,4´-DDT [2C]	11.6550	2.0	16.6667		69.9	50 - 110			
Aldrin	11.7090	1.0	16.6667		70.3	59 - 101			
Aldrin [2C]	11.8443	1.0	16.6667		71.1	59 - 101			
Dieldrin	11.6843	2.0	16.6667		70.1	55 - 101			
Dieldrin [2C]	11.8672	2.0	16.6667		71.2	55 - 101			
Endrin	12.6877	2.0	16.6667		76.1	49 - 109			
Endrin [2C]	11.9353	2.0	16.6667		71.6	49 - 109			
gamma-BHC	12.1560	1.0	16.6667		72.9	62 - 102			
gamma-BHC [2C]	12.2750	1.0	16.6667		73.6	62 - 102			
Heptachlor	12.0750	1.0	16.6667		72.4	50 - 123			
Heptachlor [2C]	12.2638	1.0	16.6667		73.6	50 - 123			
Surrogate: Decachlorobiphenyl	*12.63*		*16.6667*		*75.8*	*29 - 143*			
Surrogate: Decachlorobiphenyl [2C]	*12.76*		*16.6667*		*76.6*	*29 - 143*			
Surrogate: Tetrachloro-m-xylene	*11.59*		*16.6667*		*69.6*	*52 - 114*			
Surrogate: Tetrachloro-m-xylene [2C]	*12.07*		*16.6667*		*72.4*	*52 - 114*			
Matrix Spike (B4C0074-MS1)		**Source: 1400547-20**			Prepared: 3/5/2014 Analyzed: 3/5/2014				
4,4´-DDT	15.7518	2.0	16.6667	1.97659	82.7	32 - 161			
4,4´-DDT [2C]	15.1962	2.0	16.6667	1.84364	80.1	32 - 161			
Aldrin	13.4605	1.0	16.6667	ND	80.8	51 - 137			
Aldrin [2C]	13.4002	1.0	16.6667	ND	80.4	51 - 137			
Dieldrin	13.4112	2.0	16.6667	0.822241	75.5	39 - 150			
Dieldrin [2C]	14.0577	2.0	16.6667	0.905686	78.9	39 - 150			
Endrin	15.0202	2.0	16.6667	ND	90.1	41 - 160			
Endrin [2C]	13.8383	2.0	16.6667	ND	83.0	41 - 160			
gamma-BHC	14.4537	1.0	16.6667	ND	86.7	63 - 126			
gamma-BHC [2C]	13.8873	1.0	16.6667	ND	83.3	63 - 126			
Heptachlor	14.4747	1.0	16.6667	ND	86.8	32 - 177			
Heptachlor [2C]	13.9745	1.0	16.6667	ND	83.8	32 - 177			
Surrogate: Decachlorobiphenyl	*11.60*		*16.6667*		*69.6*	*29 - 143*			
Surrogate: Decachlorobiphenyl [2C]	*13.70*		*16.6667*		*82.2*	*29 - 143*			

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
Matrix Spike (B4C0074-MS1) - Continued			**Source: 1400547-20**		Prepared: 3/5/2014 Analyzed: 3/5/2014				
Surrogate: Tetrachloro-m-xylene	*14.50*		*16.6667*		*87.0*	*52 - 114*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.02*		*16.6667*		*78.1*	*52 - 114*			

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Organochlorine Pesticides by EPA 8081 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
Matrix Spike Dup (B4C0074-MSD1)		**Source: 1400547-20**		Prepared: 3/5/2014 Analyzed: 3/5/2014					
4,4´-DDT	15.6400	2.0	16.6667	1.97659	82.0	32 - 161	0.712	20	
4,4´-DDT [2C]	15.3698	2.0	16.6667	1.84364	81.2	32 - 161	1.14	20	
Aldrin	13.9190	1.0	16.6667	ND	83.5	51 - 137	3.35	20	
Aldrin [2C]	13.5858	1.0	16.6667	ND	81.5	51 - 137	1.38	20	
Dieldrin	14.2212	2.0	16.6667	0.822241	80.4	39 - 150	5.86	20	
Dieldrin [2C]	14.2808	2.0	16.6667	0.905686	80.3	39 - 150	1.57	20	
Endrin	15.4198	2.0	16.6667	ND	92.5	41 - 160	2.63	20	
Endrin [2C]	14.0543	2.0	16.6667	ND	84.3	41 - 160	1.55	20	
gamma-BHC	15.0282	1.0	16.6667	ND	90.2	63 - 126	3.90	20	
gamma-BHC [2C]	14.2835	1.0	16.6667	ND	85.7	63 - 126	2.81	20	
Heptachlor	15.3403	1.0	16.6667	ND	92.0	32 - 177	5.81	20	
Heptachlor [2C]	14.2763	1.0	16.6667	ND	85.7	32 - 177	2.14	20	
Surrogate: Decachlorobiphenyl	*11.29*		*16.6667*		*67.7*	*29 - 143*			
Surrogate: Decachlorobiphenyl [2C]	*14.59*		*16.6667*		*87.5*	*29 - 143*			
Surrogate: Tetrachloro-m-xylene	*14.65*		*16.6667*		*87.9*	*52 - 114*			
Surrogate: Tetrachloro-m-xylene [2C]	*13.28*		*16.6667*		*79.7*	*52 - 114*			

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Polychlorinated Biphenyls by EPA 8082 - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST									
Blank (B4C0074-BLK2)				Prepared: 3/5/2014 Analyzed: 3/5/2014					
Aroclor 1016	ND	16			NR				
Aroclor 1221	ND	16			NR				
Aroclor 1232	ND	16			NR				
Aroclor 1242	ND	16			NR				
Aroclor 1248	ND	16			NR				
Aroclor 1254	ND	16			NR				
Aroclor 1260	ND	16			NR				
Aroclor 1262	ND	16			NR				
Aroclor 1268	ND	16			NR				
Surrogate: Decachlorobiphenyl	*12.92*		*16.6667*		*77.5*	*16 - 152*			
Surrogate: Tetrachloro-m-xylene	*13.18*		*16.6667*		*79.1*	*38 - 131*			

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Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
LCS (B4C0074-BS2)				Prepared: 3/5/2014 Analyzed: 3/5/2014					
Aroclor 1016	123.416	16	166.667		74.0	68 - 100			
Aroclor 1260	138.310	16	166.667		83.0	70 - 105			
Surrogate: Decachlorobiphenyl	*13.97*		*16.6667*		*83.8*	*16 - 152*			
Surrogate: Tetrachloro-m-xylene	*13.65*		*16.6667*		*81.9*	*38 - 131*			

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Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
Matrix Spike (B4C0074-MS2)		**Source: 1400569-04**		Prepared: 3/5/2014 Analyzed: 3/5/2014					
Aroclor 1016	148.913	16	166.667	ND	89.3	37 - 131			
Aroclor 1260	197.046	16	166.667	31.1032	99.6	44 - 133			
Surrogate: Decachlorobiphenyl	*16.49*		*16.6667*		*98.9*	*16 - 152*			
Surrogate: Tetrachloro-m-xylene	*15.49*		*16.6667*		*92.9*	*38 - 131*			

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Polychlorinated Biphenyls by EPA 8082 - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0074 - GCSEMI_PCB/PEST (continued)									
Matrix Spike Dup (B4C0074-MSD2)		**Source: 1400569-04**		Prepared: 3/5/2014 Analyzed: 3/5/2014					
Aroclor 1016	145.702	16	166.667	ND	87.4	37 - 131	2.18	20	
Aroclor 1260	192.076	16	166.667	31.1032	96.6	44 - 133	2.55	20	
Surrogate: Decachlorobiphenyl	*16.57*		*16.6667*		*99.4*	*16 - 152*			
Surrogate: Tetrachloro-m-xylene	*15.33*		*16.6667*		*92.0*	*38 - 131*			

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Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS									
Blank (B4C0012-BLK1)				Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1,1,2-Tetrachloroethane	ND	5.0			NR				
1,1,1-Trichloroethane	ND	5.0			NR				
1,1,2,2-Tetrachloroethane	ND	5.0			NR				
1,1,2-Trichloroethane	ND	5.0			NR				
1,1-Dichloroethane	ND	5.0			NR				
1,1-Dichloroethene	ND	5.0			NR				
1,1-Dichloropropene	ND	5.0			NR				
1,2,3-Trichloropropane	ND	5.0			NR				
1,2,3-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trichlorobenzene	ND	5.0			NR				
1,2,4-Trimethylbenzene	ND	5.0			NR				
1,2-Dibromo-3-chloropropane	ND	10			NR				
1,2-Dibromoethane	ND	5.0			NR				
1,2-Dichlorobenzene	ND	5.0			NR				
1,2-Dichloroethane	ND	5.0			NR				
1,2-Dichloropropane	ND	5.0			NR				
1,3,5-Trimethylbenzene	ND	5.0			NR				
1,3-Dichlorobenzene	ND	5.0			NR				
1,3-Dichloropropane	ND	5.0			NR				
1,4-Dichlorobenzene	ND	5.0			NR				
2,2-Dichloropropane	ND	5.0			NR				
2-Chlorotoluene	ND	5.0			NR				
4-Chlorotoluene	ND	5.0			NR				
4-Isopropyltoluene	ND	5.0			NR				
Benzene	ND	5.0			NR				
Bromobenzene	ND	5.0			NR				
Bromochloromethane	ND	5.0			NR				
Bromodichloromethane	ND	5.0			NR				
Bromoform	ND	5.0			NR				
Bromomethane	ND	5.0			NR				
Carbon disulfide	ND	5.0			NR				
Carbon tetrachloride	ND	5.0			NR				
Chlorobenzene	ND	5.0			NR				
Chloroethane	ND	5.0			NR				
Chloroform	ND	5.0			NR				
Chloromethane	ND	5.0			NR				
cis-1,2-Dichloroethene	ND	5.0			NR				
cis-1,3-Dichloropropene	ND	5.0			NR				
Di-isopropyl ether	ND	5.0			NR				
Dibromochloromethane	ND	5.0			NR				
Dibromomethane	ND	5.0			NR				

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
Blank (B4C0012-BLK1) - Continued				Prepared: 3/3/2014 Analyzed: 3/3/2014					
Dichlorodifluoromethane	ND	5.0			NR				
Ethyl Acetate	ND	50			NR				
Ethyl Ether	ND	50			NR				
Ethyl tert-butyl ether	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
Freon-113	ND	5.0			NR				
Hexachlorobutadiene	ND	5.0			NR				
Isopropylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
Methylene chloride	ND	5.0			NR				
MTBE	ND	5.0			NR				
n-Butylbenzene	ND	5.0			NR				
n-Propylbenzene	ND	5.0			NR				
Naphthalene	ND	5.0			NR				
o-Xylene	ND	5.0			NR				
sec-Butylbenzene	ND	5.0			NR				
Styrene	ND	5.0			NR				
tert-Amyl methyl ether	ND	5.0			NR				
tert-Butanol	ND	100			NR				
tert-Butylbenzene	ND	5.0			NR				
Tetrachloroethene	ND	5.0			NR				
Toluene	ND	5.0			NR				
trans-1,2-Dichloroethene	ND	5.0			NR				
trans-1,3-Dichloropropene	ND	5.0			NR				
Trichloroethene	ND	5.0			NR				
Trichlorofluoromethane	ND	5.0			NR				
Vinyl acetate	ND	50			NR				
Vinyl chloride	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*42.76*		*50.0000*		*85.5*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*43.54*		*50.0000*		*87.1*	*59 - 135*			
Surrogate: Dibromofluoromethane	*50.37*		*50.0000*		*101*	*71 - 150*			
Surrogate: Toluene-d8	*46.41*		*50.0000*		*92.8*	*77 - 129*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
LCS (B4C0012-BS1)				Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1-Dichloroethene	42.3500	5.0	50.0000		84.7	62 - 129			
Benzene	50.3300	5.0	50.0000		101	82 - 121			
Chlorobenzene	49.0200	5.0	50.0000		98.0	83 - 132			
MTBE	38.3600	5.0	50.0000		76.7	55 - 138			
Toluene	47.0900	5.0	50.0000		94.2	80 - 129			
Trichloroethene	45.3400	5.0	50.0000		90.7	75 - 133			
Surrogate: 1,2-Dichloroethane-d4	*38.73*		*50.0000*		*77.5*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*43.02*		*50.0000*		*86.0*	*59 - 135*			
Surrogate: Dibromofluoromethane	*49.50*		*50.0000*		*99.0*	*71 - 150*			
Surrogate: Toluene-d8	*46.77*		*50.0000*		*93.5*	*77 - 129*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
LCS Dup (B4C0012-BSD1)				Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1-Dichloroethene	41.8200	5.0	50.0000		83.6	62 - 129	1.26	20	
Benzene	49.4300	5.0	50.0000		98.9	82 - 121	1.80	20	
Chlorobenzene	48.5600	5.0	50.0000		97.1	83 - 132	0.943	20	
MTBE	39.2900	5.0	50.0000		78.6	55 - 138	2.40	20	
Toluene	46.7200	5.0	50.0000		93.4	80 - 129	0.789	20	
Trichloroethene	44.4400	5.0	50.0000		88.9	75 - 133	2.00	20	
Surrogate: 1,2-Dichloroethane-d4	*39.10*		*50.0000*		*78.2*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*43.62*		*50.0000*		*87.2*	*59 - 135*			
Surrogate: Dibromofluoromethane	*51.06*		*50.0000*		*102*	*71 - 150*			
Surrogate: Toluene-d8	*47.33*		*50.0000*		*94.7*	*77 - 129*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
Duplicate (B4C0012-DUP1)		**Source: 1400651-04**		Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1-Dichloroethene	ND	5.0		ND	NR			20	
Benzene	ND	5.0		ND	NR			20	
Chlorobenzene	ND	5.0		ND	NR			20	
MTBE	ND	5.0		ND	NR			20	
Toluene	ND	5.0		ND	NR			20	
Trichloroethene	ND	5.0		ND	NR			20	
Surrogate: 1,2-Dichloroethane-d4	*39.58*		*50.0000*		*79.2*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*42.70*		*50.0000*		*85.4*	*59 - 135*			
Surrogate: Dibromofluoromethane	*48.83*		*50.0000*		*97.7*	*71 - 150*			
Surrogate: Toluene-d8	*46.18*		*50.0000*		*92.4*	*77 - 129*			

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Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
Matrix Spike (B4C0012-MS1)		**Source: 1400613-05**		Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1-Dichloroethene	40.6500	5.0	50.0000	ND	81.3	51 - 125			
Benzene	45.6900	5.0	50.0000	ND	91.4	61 - 123			
Chlorobenzene	43.5400	5.0	50.0000	ND	87.1	46 - 140			
MTBE	37.3000	5.0	50.0000	ND	74.6	45 - 135			
Toluene	42.7900	5.0	50.0000	ND	85.6	45 - 140			
Trichloroethene	40.2400	5.0	50.0000	ND	80.5	50 - 146			
Surrogate: 1,2-Dichloroethane-d4	*42.07*		*50.0000*		*84.1*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*44.07*		*50.0000*		*88.1*	*59 - 135*			
Surrogate: Dibromofluoromethane	*51.40*		*50.0000*		*103*	*71 - 150*			
Surrogate: Toluene-d8	*47.51*		*50.0000*		*95.0*	*77 - 129*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0012 - MSVOAS (continued)									
Matrix Spike Dup (B4C0012-MSD1)		**Source: 1400613-05**		Prepared: 3/3/2014 Analyzed: 3/3/2014					
1,1-Dichloroethene	39.5700	5.0	50.0000	ND	79.1	51 - 125	2.69	20	
Benzene	46.3400	5.0	50.0000	ND	92.7	61 - 123	1.41	20	
Chlorobenzene	43.2700	5.0	50.0000	ND	86.5	46 - 140	0.622	20	
MTBE	36.8400	5.0	50.0000	ND	73.7	45 - 135	1.24	20	
Toluene	42.9300	5.0	50.0000	ND	85.9	45 - 140	0.327	20	
Trichloroethene	41.0600	5.0	50.0000	ND	82.1	50 - 146	2.02	20	
Surrogate: 1,2-Dichloroethane-d4	*39.86*		*50.0000*		*79.7*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*43.38*		*50.0000*		*86.8*	*59 - 135*			
Surrogate: Dibromofluoromethane	*48.02*		*50.0000*		*96.0*	*71 - 150*			
Surrogate: Toluene-d8	*47.06*		*50.0000*		*94.1*	*77 - 129*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Semivolatile Organic Compounds by EPA 8270C - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0053 - MSSEMI									
Blank (B4C0053-BLK1)				Prepared: 3/4/2014 Analyzed: 3/5/2014					
1,2,4-Trichlorobenzene	ND	330			NR				
1,2-Dichlorobenzene	ND	330			NR				
1,3-Dichlorobenzene	ND	330			NR				
1,4-Dichlorobenzene	ND	330			NR				
2,4,5-Trichlorophenol	ND	330			NR				
2,4,6-Trichlorophenol	ND	330			NR				
2,4-Dichlorophenol	ND	1600			NR				
2,4-Dimethylphenol	ND	330			NR				
2,4-Dinitrophenol	ND	1600			NR				
2,4-Dinitrotoluene	ND	330			NR				
2,6-Dinitrotoluene	ND	330			NR				
2-Chloronaphthalene	ND	330			NR				
2-Chlorophenol	ND	330			NR				
2-Methylnaphthalene	ND	330			NR				
2-Methylphenol	ND	330			NR				
2-Nitroaniline	ND	1600			NR				
2-Nitrophenol	ND	330			NR				
3,3´-Dichlorobenzidine	ND	660			NR				
3-Nitroaniline	ND	1600			NR				
4,6-Dinitro-2-methyphenol	ND	1600			NR				
4-Bromophenyl-phenylether	ND	330			NR				
4-Chloro-3-methylphenol	ND	660			NR				
4-Chloroaniline	ND	660			NR				
4-Chlorophenyl-phenylether	ND	330			NR				
4-Methylphenol	ND	330			NR				
4-Nitroaniline	ND	1600			NR				
4-Nitrophenol	ND	330			NR				
Acenaphthene	ND	330			NR				
Acenaphthylene	ND	330			NR				
Anthracene	ND	330			NR				
Benzidine (M)	ND	1600			NR				
Benzo(a)anthracene	ND	330			NR				
Benzo(a)pyrene	ND	330			NR				
Benzo(b)fluoranthene	ND	330			NR				
Benzo(g,h,i)perylene	ND	330			NR				
Benzo(k)fluoranthene	ND	330			NR				
Benzoic acid	ND	1600			NR				
Benzyl alcohol	ND	660			NR				
bis(2-chloroethoxy)methane	ND	330			NR				
bis(2-Chloroethyl)ether	ND	330			NR				
bis(2-chloroisopropyl)ether	ND	330			NR				

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0053 - MSSEMI (continued)									
Blank (B4C0053-BLK1) - Continued				Prepared: 3/4/2014 Analyzed: 3/5/2014					
bis(2-ethylhexyl)phthalate	ND	330			NR				
Butylbenzylphthalate	ND	330			NR				
Chrysene	ND	330			NR				
Di-n-butylphthalate	ND	330			NR				
Di-n-octylphthalate	ND	330			NR				
Dibenz(a,h)anthracene	ND	330			NR				
Dibenzofuran	ND	330			NR				
Diethyl phthalate	ND	330			NR				
Dimethyl phthalate	ND	330			NR				
Fluoranthene	ND	330			NR				
Fluorene	ND	330			NR				
Hexachlorobenzene	ND	330			NR				
Hexachlorobutadiene	ND	660			NR				
Hexachlorocyclopentadiene	ND	660			NR				
Hexachloroethane	ND	330			NR				
Indeno(1,2,3-cd)pyrene	ND	330			NR				
Isophorone	ND	330			NR				
N-Nitroso-di-n propylamine	ND	330			NR				
N-Nitrosodiphenylamine	ND	330			NR				
Naphthalene	ND	330			NR				
Nitrobenzene	ND	330			NR				
Pentachlorophenol	ND	1600			NR				
Phenanthrene	ND	330			NR				
Phenol	ND	330			NR				
Pyrene	ND	330			NR				
Pyridine	ND	1600			NR				
Surrogate: 1,2-Dichlorobenzene-d4	*2657*		*3333.33*		*79.7*	*42 - 119*			
Surrogate: 2,4,6-Tribromophenol	*3244*		*3333.33*		*97.3*	*27 - 150*			
Surrogate: 2-Chlorophenol-d4	*2840*		*3333.33*		*85.2*	*40 - 126*			
Surrogate: 2-Fluorobiphenyl	*2797*		*3333.33*		*83.9*	*54 - 128*			
Surrogate: 2-Fluorophenol	*2774*		*3333.33*		*83.2*	*33 - 133*			
Surrogate: 4-Terphenyl-d14	*3285*		*3333.33*		*98.5*	*37 - 160*			
Surrogate: Nitrobenzene-d5	*2676*		*3333.33*		*80.3*	*41 - 128*			
Surrogate: Phenol-d5	*2820*		*3333.33*		*84.6*	*33 - 127*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0053 - MSSEMI (continued)									
LCS (B4C0053-BS1)				Prepared: 3/4/2014 Analyzed: 3/5/2014					
1,2,4-Trichlorobenzene	2889.00	330	3333.33		86.7	52 - 110			
1,4-Dichlorobenzene	2683.33	330	3333.33		80.5	51 - 102			
2,4-Dinitrotoluene	3581.33	330	3333.33		107	68 - 132			
2-Chlorophenol	2833.67	330	3333.33		85.0	59 - 108			
4-Chloro-3-methylphenol	3489.33	660	3333.33		105	62 - 121			
4-Nitrophenol	3376.00	330	3333.33		101	52 - 133			
Acenaphthene	3053.67	330	3333.33		91.6	66 - 121			
N-Nitroso-di-n propylamine	2949.33	330	3333.33		88.5	53 - 122			
Pentachlorophenol	3258.33	1600	3333.33		97.8	45 - 124			
Phenol	2830.00	330	3333.33		84.9	59 - 112			
Pyrene	2986.00	330	3333.33		89.6	50 - 135			
Surrogate: 1,2-Dichlorobenzene-d4	*2575*		*3333.33*		*77.2*	*42 - 119*			
Surrogate: 2,4,6-Tribromophenol	*3529*		*3333.33*		*106*	*27 - 150*			
Surrogate: 2-Chlorophenol-d4	*2836*		*3333.33*		*85.1*	*40 - 126*			
Surrogate: 2-Fluorobiphenyl	*2834*		*3333.33*		*85.0*	*54 - 128*			
Surrogate: 2-Fluorophenol	*2742*		*3333.33*		*82.3*	*33 - 133*			
Surrogate: 4-Terphenyl-d14	*3119*		*3333.33*		*93.6*	*37 - 160*			
Surrogate: Nitrobenzene-d5	*2695*		*3333.33*		*80.9*	*41 - 128*			
Surrogate: Phenol-d5	*2780*		*3333.33*		*83.4*	*33 - 127*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland Housing Project, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 03/12/2014

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0053 - MSSEMI (continued)									
Matrix Spike (B4C0053-MS1)		**Source: 1400567-02**		Prepared: 3/4/2014 Analyzed: 3/5/2014					
1,2,4-Trichlorobenzene	3022.67	330	3333.33	ND	90.7	43 - 133			
1,4-Dichlorobenzene	2819.67	330	3333.33	ND	84.6	48 - 122			
2,4-Dinitrotoluene	3808.33	330	3333.33	ND	114	65 - 152			
2-Chlorophenol	2998.33	330	3333.33	ND	90.0	54 - 132			
4-Chloro-3-methylphenol	3666.33	660	3333.33	ND	110	53 - 143			
4-Nitrophenol	3795.33	330	3333.33	ND	114	66 - 143			
Acenaphthene	3160.33	330	3333.33	ND	94.8	60 - 140			
N-Nitroso-di-n propylamine	3049.33	330	3333.33	ND	91.5	55 - 138			
Pentachlorophenol	3354.67	1600	3333.33	ND	101	57 - 145			
Phenol	3015.67	330	3333.33	ND	90.5	39 - 138			
Pyrene	3191.00	330	3333.33	ND	95.7	51 - 157			
Surrogate: 1,2-Dichlorobenzene-d4	*2715*		*3333.33*		*81.5*	*42 - 119*			
Surrogate: 2,4,6-Tribromophenol	*3836*		*3333.33*		*115*	*27 - 150*			
Surrogate: 2-Chlorophenol-d4	*2919*		*3333.33*		*87.6*	*40 - 126*			
Surrogate: 2-Fluorobiphenyl	*2974*		*3333.33*		*89.2*	*54 - 128*			
Surrogate: 2-Fluorophenol	*2827*		*3333.33*		*84.8*	*33 - 133*			
Surrogate: 4-Terphenyl-d14	*3172*		*3333.33*		*95.2*	*37 - 160*			
Surrogate: Nitrobenzene-d5	*2834*		*3333.33*		*85.0*	*41 - 128*			
Surrogate: Phenol-d5	*2895*		*3333.33*		*86.9*	*33 - 127*			

Certificate of Analysis

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Oakland , CA 94612	Reported : 03/12/2014

Semivolatile Organic Compounds by EPA 8270C - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4C0053 - MSSEMI (continued)									
Matrix Spike Dup (B4C0053-MSD1)		**Source: 1400567-02**		Prepared: 3/4/2014 Analyzed: 3/5/2014					
1,2,4-Trichlorobenzene	3136.67	330	3333.33	ND	94.1	43 - 133	3.70	20	
1,4-Dichlorobenzene	2907.33	330	3333.33	ND	87.2	48 - 122	3.06	20	
2,4-Dinitrotoluene	3843.00	330	3333.33	ND	115	65 - 152	0.906	20	
2-Chlorophenol	3099.33	330	3333.33	ND	93.0	54 - 132	3.31	20	
4-Chloro-3-methylphenol	3820.00	660	3333.33	ND	115	53 - 143	4.11	20	
4-Nitrophenol	3672.67	330	3333.33	ND	110	66 - 143	3.29	20	
Acenaphthene	3211.67	330	3333.33	ND	96.4	60 - 140	1.61	20	
N-Nitroso-di-n propylamine	3208.00	330	3333.33	ND	96.2	55 - 138	5.07	20	
Pentachlorophenol	3554.67	1600	3333.33	ND	107	57 - 145	5.79	20	
Phenol	3103.67	330	3333.33	ND	93.1	39 - 138	2.88	20	
Pyrene	3184.67	330	3333.33	ND	95.5	51 - 157	0.199	20	
Surrogate: 1,2-Dichlorobenzene-d4	*2809*		*3333.33*		*84.3*	*42 - 119*			
Surrogate: 2,4,6-Tribromophenol	*3867*		*3333.33*		*116*	*27 - 150*			
Surrogate: 2-Chlorophenol-d4	*3062*		*3333.33*		*91.9*	*40 - 126*			
Surrogate: 2-Fluorobiphenyl	*3044*		*3333.33*		*91.3*	*54 - 128*			
Surrogate: 2-Fluorophenol	*2908*		*3333.33*		*87.2*	*33 - 133*			
Surrogate: 4-Terphenyl-d14	*3277*		*3333.33*		*98.3*	*37 - 160*			
Surrogate: Nitrobenzene-d5	*2866*		*3333.33*		*86.0*	*41 - 128*			
Surrogate: Phenol-d5	*2990*		*3333.33*		*89.7*	*33 - 127*			

Certificate of Analysis

Ninyo & Moore		Project Number :	Ashland Housing Project, 402090002
1956 Webster Street, Suite 400		Report To :	Peter Sims
Oakland , CA 94612		Reported :	03/12/2014

Notes and Definitions

D1	Sample required dilution due to possible matrix interference.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

AmeriSci Los Angeles
24416 S. Main Street, Ste 308
Carson, California 90745
TEL: (310) 834-4868 • FAX: (310) 834-4772

PLM Bulk Asbestos Report

Advanced Technology Laboratories
Attn: Diane Galvan
3275 Walnut Street

Signal Hill , CA 90755

Date Received 03/04/14
Date Examined 03/10/14

RE: 1400547

AmeriSci Job # 914031134
P.O. # SC08455
Page 1 **of** 1

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos
1400547-20	914031134-01	*No*	NAD [1] (by 400 pt ct) by Arturo A. Aldana on 03/10/14

Location: Comp-7

Analyst Description: Brown, Heterogeneous, Non-Fibrous, Soil
Asbestos Types:
Other Material: Non-Asbestos/Inert 100 %

Reporting Notes:

(1) Sample analyzed by California Air Resources Board - Method 435 for serpentine aggregate which includes 400 pt ct analysis

Analyzed By: Arturo A. Aldana Arturo A. Aldana Date Analyzed: 3/10/2014 3/10/14

*NAD = no asbestos detected; Detection Limit <1%; Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; NA = not analyzed; NA/PS = not analyzed / positive stop; NVA = No Visible Asbestos; PLM (polarized light microscopy) Bulk Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200346-0, CA ELAP lab #2322); Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full with the approval of the laboratory. This PLM report relates ONLY to the items tested.

Reviewed By: 3/10/14

9140311 34

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 1400547

SENDING LABORATORY:

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755
Phone: 562.989.4045
Fax: 562.989.6348
Project Manager: Rachelle Arada (Rachelle@atlglobal.com)

RECEIVING LABORATORY:

AmeriSci Los Angeles
24416 South Main Street, Suite 308
Carson, CA 90745
Phone :(310) 834-4868
Fax: (310) 834-4772
PO#: SC08455-STANDARD TAT (RA)

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1400547-20 / COMP-7		**Soil**	**02/24/14 00:00**	
Asbestos_CARB_435_400	**03/10/14 17:00**	08/23/14 00:00		
[Asbestos CARB 435 (400 pt ct)]				
1-Plastic Baggie				

Released By	Date	Received By	Date
	3/4/14 1041	ATL	3-4-14 10:40
ATL	3-4-14 11:25		3/4/14 @ 1125

Released By Date Received By Date

3/7/14

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Telephone: (562)989-4045
Attention: Rachelle Arada

Number of Pages	**6**
Date Received	**03/04/2014**
Date Reported	**03/12/2014**

Job Number	Order Date	Client
72454	03/04/2014	ATL

Project ID: 1400547
Project Name: PO# SC08454

Enclosed please find results of analyses of 1 soil sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Director

American Environmental Testing Laboratory Inc.
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Ordered By

Advanced Technology Laboratories **3275 Walnut Avenue** **Signal Hill, CA 90755-5225**

Project ID: 1400547 **Date Received 03/04/2014** **Date Reported 03/12/2014**

Telephone: (562)989-4045
Attention: Rachelle Arada

Job Number	Order Date	Client
72454	03/04/2014	ATL

CERTIFICATE OF ANALYSIS
CASE NARRATIVE

AETL received 1 samples with the following specification on 03/04/2014.

Lab ID	Sample ID	Sample Date	Matrix	Quantity Of Containers
72454.01	1400547-20	02/24/2014	Soil	1

Method ^ Submethod	*Req Date*	*Priority*	*TAT*	*Units*
(8141A)	03/11/2014	2	Normal	ug/Kg
(8151A)	03/11/2014	2	Normal	ug/Kg

The samples were analyzed as specified on the enclosed chain of custody.
No analytical non-conformances were encountered.

Checked By: _____ Approved By: C. Razmara

Cyrus Razmara, Ph.D.
Laboratory Dire

American Environmental Testing Laboratory Inc.
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ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Telephone: (562)989-4045
Attn: Rachelle Arada
Page: **2**

Project ID: 1400547
Project Name: PO# SC08454

AETL Job Number	Submitted	Client
72454	03/04/2014	ATL

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 030514

Our Lab I.D.			Method Blank	**72454.01**			
Client Sample I.D.				1400547-20			
Date Sampled				02/24/2014			
Date Prepared			03/05/2014	03/05/2014			
Preparation Method			3550B	3550B			
Date Analyzed			03/10/2014	03/11/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Azinphos-methyl	50	50	ND	ND			
Bolstar (Sulprofos)	50	50	ND	ND			
Chloropyrifos (Dursban)	50	50	ND	ND			
Coumaphos	50	50	ND	ND			
Demeton-O & S	50	50	ND	ND			
Diazinon	50	50	ND	ND			
Dichlorvos (DDVP, Diclorovos)	50	50	ND	ND			
Disulfoton	50	50	ND	ND			
Ethoprop	50	50	ND	ND			
Fensulfothion	50	50	ND	ND			
Fenthion	50	50	ND	ND			
Malathion	50	50	ND	ND			
Merphos	50	50	ND	ND			
Methyl parathion (Parathion methyl)	50	50	ND	ND			
Mevinphos	100	100	ND	ND			
Naled	100	100	ND	ND			
Phorate (Phosphorodithioic acid)	50	50	ND	ND			
Ronnel	50	50	ND	ND			
Tetrachlorvinphos (Stirophos)	50	50	ND	ND			
Tokuthion (Prothiofos)	50	50	ND	ND			
Trichloronate	50	50	ND	ND			

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ANALYTICAL RESULTS

Project ID: 1400547
Project Name: PO# SC08454

AETL Job Number	Submitted	Client
72454	03/04/2014	ATL

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

Our Lab I.D.			Method Blank	**72454.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
Tributylphosphate	52-129		72.0	64.0			

American Environmental Testing Laboratory Inc.
2834 & 2908 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181
Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Telephone: (562)989-4045
Attn: Rachelle Arada
Page: **4**

Project ID: 1400547
Project Name: PO# SC08454

AETL Job Number	Submitted	Client
72454	03/04/2014	ATL

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 030714

Our Lab I.D.			Method Blank	**72454.01**			
Client Sample I.D.				1400547-20			
Date Sampled				02/24/2014			
Date Prepared			03/07/2014	03/07/2014			
Preparation Method			3550B	3550B			
Date Analyzed			03/07/2014	03/07/2014			
Matrix			Soil	Soil			
Units			ug/Kg	ug/Kg			
Dilution Factor			1	1			
Analytes	**MDL**	**PQL**	**Results**	**Results**			
Acifluorfen	20	20	ND	ND			
Bentazon	10	10	ND	ND			
Chloramben	10	10	ND	ND			
2,4-D	10	10	ND	ND			
Dalapon	20	20	ND	ND			
2,4-DB	10	10	ND	ND			
DCPA diacid	20	20	ND	ND			
Dicamba	10	10	ND	ND			
3,5-Dichlorobenzoic acid	10	10	ND	ND			
Dichloroprop	10	10	ND	ND			
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	20	20	ND	ND			
MCPA	2000	2000	ND	ND			
MCPP	2000	2000	ND	ND			
4-Nitrophenol	10	10	ND	ND			
Pentachlorophenol (PCP)	10	10	ND	ND			
Picloram	10	10	ND	ND			
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	10	10	ND	ND			
2,4,5-TP	10	10	ND	ND			
Our Lab I.D.			Method Blank	**72454.01**			
Surrogates	**%Rec.Limit**		**% Rec.**	**% Rec.**			
DCAA	50-150		72.8	72.6			

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QUALITY CONTROL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Telephone: (562)989-4045
Attn: Rachelle Arada
Page: **5**

Project ID: 1400547
Project Name: PO# SC08454

AETL Job Number	Submitted	Client
72454	03/04/2014	ATL

Method: (8141A), Organophosphorus Compounds by GC/NPD/FPD

QC Batch No: 030514; LCS: Clean Sand; LCS Prepared: 03/05/2014; LCS Analyzed: 03/10/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
Bolstar (Sulprofos)	200	159	79.5	200	171	85.5	7.3	50-150	<50	
Ethoprop	200	167	83.5	200	177	88.5	5.8	50-150	<50	
Phorate (Phosphorodithioic acid)	200	148	74.0	200	156	78.0	5.3	50-150	<50	
Ronnel	200	145	72.5	200	155	77.5	6.7	50-150	<50	
Surrogates										
Tributylphosphate	200	168	84.0	200	176	88.0	4.7	50-150	<50	

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QUALITY CONTROL RESULTS

Ordered By

Advanced Technology Laboratories
3275 Walnut Avenue
Signal Hill, CA 90755-5225

Telephone: (562)989-4045
Attn: Rachelle Arada
Page: 6

Project ID: 1400547
Project Name: PO# SC08454

AETL Job Number	Submitted	Client
72454	03/04/2014	ATL

Method: (8151A), Chlorinated Herbicides by GC/ECD

QC Batch No: 030714; Dup or Spiked Sample: 72454.01; LCS: Clean Sand; QC Prepared: 03/07/2014; QC Analyzed: 03/07/2014; Units: ug/Kg

Analytes	Sample Result	MS Concen	MS Recov	MS % REC	MS DUP Concen	MS DUP Recov	MS DUP % REC	RPD %	MS/MSD % Limit	MS RPD % Limit
2,4-D	0.00	50.0	36.5	73.0	50.0	40.5	81.0	10.4	50-150	<40
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	0.00	50.0	36.8	73.6	50.0	40.0	80.0	8.3	50-150	<40
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.00	50.0	36.1	72.2	50.0	34.8	69.6	3.7	50-150	<40
Surrogates										
DCAA	0.00	100	80.4	80.4	100	80.7	80.7	<1	50-150	<40

QC Batch No: 030714; Dup or Spiked Sample: 72454.01; LCS: Clean Sand; QC Prepared: 03/07/2014; QC Analyzed: 03/07/2014; Units: ug/Kg

Analytes	LCS Concen	LCS Recov	LCS % REC	LCS DUP Concen	LCS DUP Recov	LCS DUP % REC	LCS RPD % REC	LCS/LCSD % Limit	LCS RPD % Limit	
2,4-D	50.0	29.5	59.0	50.0	30.3	60.6	2.7	50-150	<50	
Dalapon	50.0	36.9	73.8	50.0	36.5	73.0	1.1	50-150	<50	
2,4-DB	50.0	32.4	64.8	50.0	31.7	63.4	2.2	50-150	<50	
Dicamba	50.0	35.1	70.2	50.0	34.8	69.6	<1	50-150	<50	
Dichloroprop	50.0	31.5	63.0	50.0	31.7	63.4	<1	50-150	<50	
Dinoseb (DNBP, 2-sec-Butyl-4, 6-dinitrophenol)	50.0	40.4	80.8	50.0	40.7	81.4	<1	50-150	<50	
MCPA	5,000	4,260	85.2	5,000	4,120	82.4	3.3	50-150	<50	
MCPP	5,000	3,890	77.8	5,000	3,820	76.4	1.8	50-150	<50	
2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	50.0	32.7	65.4	50.0	33.4	66.8	2.1	50-150	<50	
2,4,5-TP	50.0	33.8	67.6	50.0	34.9	69.8	3.2	50-150	<50	
Surrogates										
DCAA	100	66.7	66.7	100	42.5	42.5	44.3	50-150	<50	

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Data Qualifiers and Descriptors

Data Qualifier:

#:	Recovery is not within acceptable control limits.
*:	In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has been applied.
B:	Analyte was present in the Method Blank.
D:	Result is from a diluted analysis.
E:	Result is beyond calibration limits and is estimated.
H:	Analysis was performed over the allowed holding time due to circumstances which were beyond laboratory control.
J:	Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).
M:	Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery was acceptable.
MCL:	Maximum Contaminant Level
NS:	No Standard Available
S6:	Surrogate recovery is outside control limits due to matrix interference.
S8:	The analysis of the sample required a dilution such that the surrogate concentration was diluted below the method acceptance criteria.
X:	Results represent LCS and LCSD data.

Definition:

%Limi:	Percent acceptable limits.
%REC:	Percent recovery.
Con.L:	Acceptable Control Limits
Conce:	Added concentration to the sample.
LCS:	Laboratory Control Sample
MDL:	Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

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Data Qualifiers and Descriptors

MS:	Matrix Spike
MS DU:	Matrix Spike Duplicate
ND:	Analyte was not detected in the sample at or above MDL.
PQL:	Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.
Recov:	Recovered concentration in the sample.
RPD:	Relative Percent Difference

ADVANCED TECHNOLOGY LABORATORIES

SUBCONTRACT ORDER

Work Order: 1400547 72454

SENDING LABORATORY:	**RECEIVING LABORATORY:**
Advanced Technology Laboratories	AETL
3275 Walnut Avenue	2834 North Naomi Street
Signal Hill, CA 90755	Burbank, CA 91504
Phone: 562.989.4045	Phone :(818) 845-8200
Fax: 562.989.6348	Fax: (818) 845-8840
Project Manager: Rachelle Arada (Rachelle@atlglobal.com)	PO#: SC08454-STANDARD TAT (RA)

IMPORTANT : Please include Work Order # and PO # in your invoice.

Analysis	Due	Expires	Sampled	Comments
ATL Lab#: 1400547-20 / COMP-7		**Soil**	**02/24/14 00:00**	72454-01
8141	**03/10/14 17:00**	03/10/14 00:00		
[Organophoshorus Pesticides]				
8151	**03/10/14 17:00**	03/10/14 00:00		
[Chlorinated Herbicides]				
1-Glass Jar - 4 oz				

Released By	Date	Received By	Date
	3/4/14 1343	Sargis P	3.4.14 1343
Sargis P	3.4.14 1730	Austin	03/04/14 1730

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print): _____

Signature: _____

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt:
1. CHILLED 3.6 Y☑ N☐ 4. SEALED Y☐ N☐
2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐
3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: _____ Address: 1956 Webster St. # 400 TEL: 510 343 3000

Attn: Ninyo & Moore - Peter Sims City Oakland State CA Zip Code 94612 FAX: 3001

Project Name: Ashland Housing Project Project #: 402090002 Sampler: (Printed Name) Melissa Terry (Signature) MTerry

Relinquished by: (Signature and Printed Name)	Melissa Terry	Date: 2/24/14	Time: 1425	Received by: (Signature and Printed Name)	Jeff Siegfried	Date: 2/24/14	Time: 225p
Relinquished by: (Signature and Printed Name)	Jeff Siegfried	Date: 2/24/14	Time: 248p	Received by: (Signature and Printed Name)	GSO	Date: 2/24/14	Time: 248p
Relinquished by: (Signature and Printed Name)		Date:	Time:	Received by: (Signature and Printed Name)	[illegible]	Date: 2/25/14	Time: 0840

Bill To:
Attn: Peter Sims E-mail:
Company: Ninyo & Moore
Address: psims@ninyoandmoore.com
City: State: Zip:

Send Report To:
Attn: E-mail:
Company:
Addrress:
City: State: Zip:

Special Instructions/Comments:
Please analyze only SP4-1, SP5-2, SP6-3, SP7-4 for BTEX

Please analyze composites for TPHg, d, mo and Title22metals

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
Hardcopy Reports $17.50 per report.

CIRCLE or Write IN Analyses Needed — CIRCLE APPROPRIATE MATRIX

8260-624 (Volatiles) / 8015B (GRO) / 8021 (BTEX) / TO-15 / TO-14 / TO-3 / RSK-175 / 8270B-625(BNA) / 8310(PAHs) / 8015B(DRO)/8015B(HCID) / 8081 OrgCl / 8141 OrgPO4 Pest / 8082 PCBs / 6010B-200.7 CAM Metals / 6010B-200.7 Metals / 6020B-200.8-1640 Metals / 7199-218.6 (Hex. Chromium) / 300(Anions) / 314 (Perchlorate)

SOIL/SEDIMENT/SLUDGE / SOLIDS/WIPES/FILTERS / WATER-DRINKING/GROUND / WATER-STORM/WASTE / AQUEOUS/LAYERED-OIL

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	TAT	Container(s) #	Container(s) Type	PRESERVATION
1	1400547 -1	SP4-1	2/24	0915	5	1	5	1 4
2	-2	SP4-2						
3	-3	SP4-3 Comp-4						
4	-4	SP4-4						
5	-5	SP5-1		0925				
6	-6	SP5-2						
7	-7	SP5-3 Comp-5						
8	-8	SP5-4						
9	-9	SP6-1		0935				
10	-10	SP6-2 Comp-6						

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode____ OTHER ____

REMARKS

☐ Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.

Weekend, Holiday, Off Hours Work ASK for QUOTE

Container Types: 1=Tube 2=VOA 3=Liter 4=Pint 5=Jar 6=Tedlar 7= Canister

Material: 1=Glass 2=Plastic 3=Metal

Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM ☒	10% DISCOUNT 10th BUSINESS DAY 5:30 PM

For RUSH TCLP/STLC, add 2 days to respective TAT.

Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

CHAIN OF CUSTODY RECORD

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

P.O.#: _____ Quote #: _____

As the authorized agent of the below named company, I hereby purchase testing services from ATL as dictated below and guarantee payment in full.

Submitter (Print): _____

Signature: _____

Submitter - Please complete all SHADED areas and include QUOTE # above to ensure proper invoicing.

FOR LABORATORY USE ONLY:

Method of Transport: ☐ Client ☐ ATL ☐ FedEx ☐ OnTrac ☐ GSO ☐ Other: _____

Sample Condition Upon Receipt: 1. CHILLED 5.6 Y☑ N☐ 4. SEALED Y☐ N☐ 2. HEADSPACE (VOA) Y☐ N☐ 5. # OF SPLS MATCH COC Y☐ N☐ 3. CONTAINER INTACT Y☐ N☐ 6. PRESERVED Y☐ N☐

Client: _____ Address: 1956 Webster St. # 400 TEL: 510 343 3000

Attn: Ninyo & Moore - Peter Sims City Oakland State CA Zip Code 94612 FAX: 3001

Project Name: Ashland Housing Project Project #: 402090002 Sampler: (Printed Name) M Terry (Signature) M Terry

Relinquished by: (Signature and Printed Name) M Terry	Date: 2/24/14	Time: 1425	Received by: (Signature and Printed Name) Jeff Siegfried		Date: 2/24/14	Time: 225pm
Relinquished by: (Signature and Printed Name) Jeff Siegfried	Date: 2/24/14	Time: 248pm	Received by: (Signature and Printed Name) GSO		Date: 2/24/14	Time: 248pm
Relinquished by: (Signature and Printed Name)	Date:	Time:	Received by: (Signature and Printed Name) [illegible]		Date: 2/25/14	Time: 0840

Bill To: Attn: Peter Sims E-mail: Company: Ninyo & Moore Address: psims@ninyoandmoore.com City: State: Zip:

Send Report To: Attn: E-mail: Company: Addrress: City: State: Zip:

Special Instructions/Comments: TPHg + TPHmo Title 22

Sample/Records - Archival & Disposal
Unless otherwise requested by client, all Samples and Hardcopy will be disposed Forty-five(45) days after generation of report - electronic copies retained for five(5) years.
Storage Fees (applies when storage is requested):
■ Sample : Forty-five(45) Days Complimentary - $2.00 / sample / mo thereafter.
Hardcopy Reports $17.50 per report.

CIRCLE or Write IN Analyses Needed

CIRCLE APPROPRIATE MATRIX: SOIL/SEDIMENT/SLUDGE; SOLIDS/WIPES/FILTERS; WATER-DRINKING/GROUND; WATER-STORM/WASTE; AQUEOUS/LAYERED-OIL

ITEM	BUSINESS HOURS 8:30 am to 5:30 pm Lab No.	Sample Description: Sample I.D. / Location	Date	Time	8260-624 (Volatiles)	~~8015B(GRO)~~ / 8021 (BTEX)	TO-15 / TO-14 / TO-3 / RSK-175	8270B-625(BNA) / 8310(PAHs)	8015B(DRO)~~8015B(HC/HC)~~ + TPHg + TPHmo	8081 OrgCl / 8141 OrgPO4 Pest	8082 PCBs	6010B-200.7 CAM Metals Title 22	6010B-200.7 Metals	6020B-200.8-1640 Metals	7199-218.6 (Hex. Chromium)	300(Anions) / 314 (Perchlorate)	TAT	Container(s) #	Container(s) Type	PRESERVATION	REMARKS
1	1400547 - 11	SP6-3 } comp-6	2/24		X											X	5	1	5	1	4	
2	- 12	SP6-4 }		↓																		
3	- 13	SP7-1 }		0945																		
4	- 14	SP7-2 } comp-7																				
5	- 15	SP7-3 }																				
6	- 16	SP7-4 }	↓	↓	X																	
7	- 17	COMP-4				X		X														
8	- 18	COMP-5				X		X														
9	- 19	COMP- 6				X		X														
10	- 20	COMP- 7				X		X														

QA/QC: RTNE ☐ CT ☐ Legal ☐ SWRCB ☐ Logcode____ OTHER ____

☐ Samples Submitted AFTER 3:30 PM, are considered received the following business day at 8:30 AM.

Weekend, Holiday, Off Hours Work ASK for QUOTE

Container Types: 1=Tube 2=VOA 3=Liter 4=Plnt 5=Jar 6=Tedlar 7= Canister

Material: 1=Glass 2=Plastic 3=Metal

Preservatives: 1=HCl, 2=HNO_3 3=H_2SO_4 4=4°C 5=$Zn(Ac)_2$ 6=NaOH 7=$NA_2S_2O_4$

TAT 0	TAT 1	TAT 2	TAT 3	TAT 4	TAT 5	TAT 10
300% SURCHARGE SAME BUSINESS DAY IF RCV'D BY 9:00 AM ☐	100% SURCHARGE NEXT BUSINESS DAY 5:30 PM ☐	50% SURCHARGE 2ND BUSINESS DAY 5:30 PM ☐	30% SURCHARGE 3RD BUSINESS DAY 5:30 PM ☐	20% SURCHARGE 4TH BUSINESS DAY 5:30 PM ☐	NO SURCHARGE 5 -7 BUSINESS DAYS 5:30 PM ☒	10% DISCOUNT 10th BUSINESS DAY 5:30 PM ☐

For RUSH TCLP/STLC, add 2 days to respective TAT.

Subcon. TAT is 10-15 business days, Dioxin and Furans 21 business days.

DISTRIBUTION: White with report Yellow to folder Pink to submitter

Carmen Aguila

From: Fernando Diwa
Sent: Tuesday, February 25, 2014 11:39 AM
To: Carmen Aguila; Rachelle Arada
Cc: Eddie Rodriguez; Edgar Morrison; Edric Caballero
Subject: FW: Ashland Housing Project, 402090002

From: Melissa Terry [mailto:mterry@ninyoandmoore.com]
Sent: Tuesday, February 25, 2014 11:21 AM
To: Fernando Diwa
Cc: Peter Sims
Subject: RE: Ashland Housing Project, 402090002

Hi Fernando --

The composite samples should be analyzed for TPHg, d, mo and Title 22 Metals. DO NOT analyze for BNAs or PAHs (COC is incorrect).

Thanks for checking!

Melissa Terry
Senior Staff Scientist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 (x15230)
(510) 343-3001 (Fax)
(510) 455-1087 (Cell)
mterry@ninyoandmoore.com

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-----Original Message-----
From: Fernando Diwa [mailto:fernando@atlglobal.com]
Sent: Tuesday, February 25, 2014 11:06 AM
To: Melissa Terry
Cc: Peter Sims; Carmen Aguila; Rachelle Arada
Subject: Ashland Housing Project, 402090002

Hi Melissa,

Please confirm that the composite samples will be analyze for TPHg,d,mo and Title 22 Metals as specified on Special Instructions/Comments. The composite samples listed on Page 2 were marked for 8270-625(BNA) / 8310(PAHs) and Title 22 Metals. See attached cocs.

Thank you.

Regards,

Ronnie

Rachelle Arada

From: Peter Sims [psims@ninyoandmoore.com]
Sent: Monday, March 03, 2014 12:10 PM
To: Rachelle Arada
Subject: Ashland Housing Project 402090002

Hi Rachelle,

Please analyze sample SP7-4 for full range VOCs by 8260B and SVOCs by 8270C instead of just BTEX. Also, please analyze sample Comp-7 for asbestos by CARB Level A-400, PCBs by 8082, OCPs by 8081, organophosphorous pesticides by 8141, and chlorinated herbicides by 8151.

Thank you,

Peter D. Sims, LEED AP
Project Environmental Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 x15216 (Office)
(510) 327-9335 (Cell Phone)
(510) 343-3001 (Fax)
psims@ninyoandmoore.com

New San Jose office
2149 O'Toole Avenue, Suite 10
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

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ADVANCED TECHNOLOGY LABORATORIES

June 13, 2014

Peter Sims
Ninyo & Moore
1956 Webster Street, Suite 400
Oakland, CA 94612
Tel: (510) 633-5640
Fax:(510) 633-5646

ELAP No.: 1838
CSDLAC No.: 10196
ORELAP No.: CA300003
TCEQ No. : T104704502

Re: ATL Work Order Number : 1401724
Client Reference : Ashland, 402090002

Enclosed are the results for sample(s) received on June 11, 2014 by Advanced Technology Laboratories. The sample(s) are tested for the parameters as indicated on the enclosed chain of custody in accordance with applicable laboratory certifications. The laboratory results contained in this report specifically pertains to the sample(s) submitted.

Thank you for the opportunity to serve the needs of your company. If you have any questions, please feel free to contact me or your Project Manager.

Sincerely,

Eddie Rodriguez
Laboratory Director

Certificate of Analysis

Ninyo & Moore		Project Number :	Ashland, 402090002
1956 Webster Street, Suite 400		Report To :	Peter Sims
Oakland , CA 94612		Reported :	06/13/2014

SUMMARY OF SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
COMPA	1401724-05	Soil	6/10/14 0:00	6/11/14 8:05

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Client Sample ID COMPA

Lab ID: 1401724-05

Title 22 Metals by ICP-AES EPA 6010B

Analyst: CB

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Antimony	ND	2.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Arsenic	**3.3**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Barium	**65**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Beryllium	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Cadmium	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Chromium	**22**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Cobalt	**7.0**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Copper	**21**	2.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Lead	**33**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Molybdenum	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Nickel	**26**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Selenium	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Silver	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Thallium	ND	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Vanadium	**23**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	
Zinc	**50**	1.0	NA	1	B4F0193	06/11/2014	06/12/14 12:09	

Mercury by AA (Cold Vapor) EPA 7471A

Analyst: VV

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Mercury	ND	0.10	NA	1	B4F0192	06/11/2014	06/11/14 17:41	

Gasoline Range Organics by EPA 8015B (Modified)

Analyst: AG

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Gasoline Range Organics	ND	1.0	NA	1	B4F0174	06/11/2014	06/11/14 14:26	
Surrogate: 4-Bromofluorobenzene	*84.0 %*		*48 - 137*		B4F0174	06/11/2014	*06/11/14 14:26*	

Diesel Range Organics by EPA 8015B

Analyst: CR

Analyte	Result (mg/kg)	PQL (mg/kg)	MDL (mg/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
DRO	**56**	5.0	NA	5	B4F0214	06/12/2014	06/12/14 16:51	
ORO	**120**	5.0	NA	5	B4F0214	06/12/2014	06/12/14 16:51	
Surrogate: p-Terphenyl	*76.9 %*		*26 - 145*		B4F0214	06/12/2014	*06/12/14 16:51*	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Client Sample ID COMPA

Lab ID: 1401724-05

Volatile Organic Compounds by EPA 8260B **Analyst: DP**

Analyte	Result (ug/kg)	PQL (ug/kg)	MDL (ug/kg)	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
Benzene	ND	5.0	NA	1	B4F0182	06/11/2014	06/11/14 16:22	
Ethylbenzene	ND	5.0	NA	1	B4F0182	06/11/2014	06/11/14 16:22	
m,p-Xylene	ND	10	NA	1	B4F0182	06/11/2014	06/11/14 16:22	
o-Xylene	ND	5.0	NA	1	B4F0182	06/11/2014	06/11/14 16:22	
Toluene	ND	5.0	NA	1	B4F0182	06/11/2014	06/11/14 16:22	
Surrogate: 1,2-Dichloroethane-d4	*94.0 %*	*67 - 152*			B4F0182	06/11/2014	*06/11/14 16:22*	
Surrogate: 4-Bromofluorobenzene	*100 %*	*59 - 135*			B4F0182	06/11/2014	*06/11/14 16:22*	
Surrogate: Dibromofluoromethane	*94.6 %*	*71 - 150*			B4F0182	06/11/2014	*06/11/14 16:22*	
Surrogate: Toluene-d8	*101 %*	*77 - 129*			B4F0182	06/11/2014	*06/11/14 16:22*	

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Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

QUALITY CONTROL SECTION

Title 22 Metals by ICP-AES EPA 6010B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0193 - EPA 3050B									
Blank (B4F0193-BLK1)				Prepared: 6/11/2014 Analyzed: 6/12/2014					
Antimony	ND	2.0			NR				
Arsenic	ND	1.0			NR				
Barium	ND	1.0			NR				
Beryllium	ND	1.0			NR				
Cadmium	ND	1.0			NR				
Chromium	ND	1.0			NR				
Cobalt	ND	1.0			NR				
Copper	ND	2.0			NR				
Lead	ND	1.0			NR				
Molybdenum	ND	1.0			NR				
Nickel	ND	1.0			NR				
Selenium	ND	1.0			NR				
Silver	ND	1.0			NR				
Thallium	ND	1.0			NR				
Vanadium	ND	1.0			NR				
Zinc	ND	1.0			NR				
LCS (B4F0193-BS1)				Prepared: 6/11/2014 Analyzed: 6/12/2014					
Antimony	50.3510	2.0	50.0000		101	80 - 120			
Arsenic	49.2710	1.0	50.0000		98.5	80 - 120			
Barium	51.5994	1.0	50.0000		103	80 - 120			
Beryllium	50.9744	1.0	50.0000		102	80 - 120			
Cadmium	49.9979	1.0	50.0000		100	80 - 120			
Chromium	52.4748	1.0	50.0000		105	80 - 120			
Cobalt	51.5820	1.0	50.0000		103	80 - 120			
Copper	49.4930	2.0	50.0000		99.0	80 - 120			
Lead	50.8086	1.0	50.0000		102	80 - 120			
Molybdenum	52.2460	1.0	50.0000		104	80 - 120			
Nickel	50.4586	1.0	50.0000		101	80 - 120			
Selenium	46.0633	1.0	50.0000		92.1	80 - 120			
Silver	47.6073	1.0	50.0000		95.2	80 - 120			
Thallium	51.1162	1.0	50.0000		102	80 - 120			
Vanadium	50.6295	1.0	50.0000		101	80 - 120			
Zinc	52.2544	1.0	50.0000		105	80 - 120			
Matrix Spike (B4F0193-MS1)		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/12/2014					
Antimony	89.1714	2.0	125.000	ND	71.3	21 - 109			
Arsenic	107.642	1.0	125.000	3.31523	83.5	55 - 102			
Barium	166.688	1.0	125.000	64.7134	81.6	40 - 130			
Beryllium	102.761	1.0	125.000	0.177228	82.1	60 - 104			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Title 22 Metals by ICP-AES EPA 6010B - Quality Control (cont'd)

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0193 - EPA 3050B (continued)									
Matrix Spike (B4F0193-MS1) - Continued		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/12/2014					
Cadmium	94.2872	1.0	125.000	0.065330	75.4	52 - 100			
Chromium	129.903	1.0	125.000	22.0024	86.3	53 - 113			
Cobalt	104.138	1.0	125.000	7.03272	77.7	53 - 104			
Copper	132.753	2.0	125.000	20.6640	89.7	51 - 122			
Lead	127.821	1.0	125.000	32.6907	76.1	51 - 106			
Molybdenum	103.110	1.0	125.000	0.214861	82.3	55 - 103			
Nickel	123.130	1.0	125.000	26.4681	77.3	48 - 112			
Selenium	98.9786	1.0	125.000	0.645632	78.7	53 - 104			
Silver	106.230	1.0	125.000	ND	85.0	61 - 109			
Thallium	94.9338	1.0	125.000	ND	75.9	44 - 103			
Vanadium	129.870	1.0	125.000	22.8187	85.6	55 - 115			
Zinc	140.997	1.0	125.000	50.3430	72.5	24 - 130			
Matrix Spike Dup (B4F0193-MSD1)		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/12/2014					
Antimony	96.2825	2.0	125.000	ND	77.0	21 - 109	7.67	20	
Arsenic	113.152	1.0	125.000	3.31523	87.9	55 - 102	4.99	20	
Barium	173.059	1.0	125.000	64.7134	86.7	40 - 130	3.75	20	
Beryllium	107.983	1.0	125.000	0.177228	86.2	60 - 104	4.96	20	
Cadmium	99.4970	1.0	125.000	0.065330	79.5	52 - 100	5.38	20	
Chromium	136.325	1.0	125.000	22.0024	91.5	53 - 113	4.82	20	
Cobalt	108.582	1.0	125.000	7.03272	81.2	53 - 104	4.18	20	
Copper	134.916	2.0	125.000	20.6640	91.4	51 - 122	1.62	20	
Lead	137.900	1.0	125.000	32.6907	84.2	51 - 106	7.59	20	
Molybdenum	110.036	1.0	125.000	0.214861	87.9	55 - 103	6.50	20	
Nickel	126.241	1.0	125.000	26.4681	79.8	48 - 112	2.49	20	
Selenium	105.357	1.0	125.000	0.645632	83.8	53 - 104	6.24	20	
Silver	110.115	1.0	125.000	ND	88.1	61 - 109	3.59	20	
Thallium	101.317	1.0	125.000	ND	81.1	44 - 103	6.51	20	
Vanadium	132.832	1.0	125.000	22.8187	88.0	55 - 115	2.25	20	
Zinc	146.363	1.0	125.000	50.3430	76.8	24 - 130	3.73	20	

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Mercury by AA (Cold Vapor) EPA 7471A - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0192 - EPA 7471									
Blank (B4F0192-BLK1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
Mercury	ND	0.10			NR				
LCS (B4F0192-BS1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
Mercury	0.900610	0.10	0.833333		108	80 - 120			
Matrix Spike (B4F0192-MS1)		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Mercury	0.920322	0.10	0.833333	0.068503	102	70 - 130			
Matrix Spike Dup (B4F0192-MSD1)		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Mercury	0.940730	0.10	0.833333	0.068503	105	70 - 130	2.19	20	
Post Spike (B4F0192-PS1)		**Source: 1401724-05**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Mercury	0.006530		5.00000E-3	0.000822	114	85 - 115			

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Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Gasoline Range Organics by EPA 8015B (Modified) - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0174 - GCVOAS									
Blank (B4F0174-BLK1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
Gasoline Range Organics	ND	1.0			NR				
Surrogate: 4-Bromofluorobenzene	*0.2143*		*0.200000*		*107*	*48 - 137*			
LCS (B4F0174-BS1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
Gasoline Range Organics	4.02300	1.0	5.00000		80.5	70 - 130			
Surrogate: 4-Bromofluorobenzene	*0.2119*		*0.200000*		*106*	*48 - 137*			
Duplicate (B4F0174-DUP1)		**Source: 1401728-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Gasoline Range Organics	ND	1.0		ND	NR			20	
Surrogate: 4-Bromofluorobenzene	*0.2255*		*0.200000*		*113*	*48 - 137*			
Matrix Spike (B4F0174-MS1)		**Source: 1401718-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Gasoline Range Organics	2.61300	1.0	5.00000	ND	52.3	50 - 122			
Surrogate: 4-Bromofluorobenzene	*0.1990*		*0.200000*		*99.5*	*48 - 137*			
Matrix Spike Dup (B4F0174-MSD1)		**Source: 1401718-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Gasoline Range Organics	2.51800	1.0	5.00000	ND	50.4	50 - 122	3.70	20	
Surrogate: 4-Bromofluorobenzene	*0.1844*		*0.200000*		*92.2*	*48 - 137*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Diesel Range Organics by EPA 8015B - Quality Control

Analyte	Result (mg/kg)	PQL (mg/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0214 - GCSEMI_DRO_SOIL_LL									
Blank (B4F0214-BLK1)					Prepared: 6/12/2014 Analyzed: 6/12/2014				
DRO	ND	1.0			NR				
ORO	ND	1.0			NR				
Surrogate: p-Terphenyl	*2.292*		*2.66667*		*86.0*	*26 - 145*			
LCS (B4F0214-BS1)					Prepared: 6/12/2014 Analyzed: 6/12/2014				
DRO	28.4547	1.0	33.3333		85.4	28 - 138			
Surrogate: p-Terphenyl	*2.685*		*2.66667*		*101*	*26 - 145*			
Duplicate (B4F0214-DUP1)		**Source: 1401728-01**			Prepared: 6/12/2014 Analyzed: 6/12/2014				
DRO	21.8240	1.0		21.7590	NR		0.298	20	
Surrogate: p-Terphenyl	*2.648*		*2.66667*		*99.3*	*26 - 145*			
Matrix Spike (B4F0214-MS1)		**Source: 1401728-01**			Prepared: 6/12/2014 Analyzed: 6/12/2014				
DRO	40.6233	1.0	33.3333	21.7590	56.6	18 - 122			
Surrogate: p-Terphenyl	*2.502*		*2.66667*		*93.8*	*26 - 145*			
Matrix Spike Dup (B4F0214-MSD1)		**Source: 1401728-01**			Prepared: 6/12/2014 Analyzed: 6/12/2014				
DRO	40.6297	1.0	33.3333	21.7590	56.6	18 - 122	0.0156	20	
Surrogate: p-Terphenyl	*2.572*		*2.66667*		*96.4*	*26 - 145*			

Certificate of Analysis

Ninyo & Moore	Project Number : Ashland, 402090002
1956 Webster Street, Suite 400	Report To : Peter Sims
Oakland , CA 94612	Reported : 06/13/2014

Volatile Organic Compounds by EPA 8260B - Quality Control

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0182 - MSVOAS2									
Blank (B4F0182-BLK1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
Benzene	ND	5.0			NR				
Ethylbenzene	ND	5.0			NR				
m,p-Xylene	ND	10			NR				
o-Xylene	ND	5.0			NR				
Toluene	ND	5.0			NR				
Surrogate: 1,2-Dichloroethane-d4	*48.95*		*50.0000*		*97.9*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*51.59*		*50.0000*		*103*	*59 - 135*			
Surrogate: Dibromofluoromethane	*46.91*		*50.0000*		*93.8*	*71 - 150*			
Surrogate: Toluene-d8	*51.07*		*50.0000*		*102*	*77 - 129*			
LCS (B4F0182-BS1)				Prepared: 6/11/2014 Analyzed: 6/11/2014					
1,1-Dichloroethene	42.7500	5.0	50.0000		85.5	62 - 129			
Benzene	51.7600	5.0	50.0000		104	82 - 121			
Chlorobenzene	57.1200	5.0	50.0000		114	83 - 132			
MTBE	56.9400	5.0	50.0000		114	55 - 138			
Toluene	56.1200	5.0	50.0000		112	80 - 129			
Trichloroethene	56.7600	5.0	50.0000		114	75 - 133			
Surrogate: 1,2-Dichloroethane-d4	*52.64*		*50.0000*		*105*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*55.52*		*50.0000*		*111*	*59 - 135*			
Surrogate: Dibromofluoromethane	*51.27*		*50.0000*		*103*	*71 - 150*			
Surrogate: Toluene-d8	*53.25*		*50.0000*		*106*	*77 - 129*			
Duplicate (B4F0182-DUP1)		**Source: 1401728-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
1,1-Dichloroethene	ND	5.0		ND	NR			20	
Benzene	ND	5.0		ND	NR			20	
Chlorobenzene	ND	5.0		ND	NR			20	
MTBE	ND	5.0		ND	NR			20	
Toluene	ND	5.0		ND	NR			20	
Trichloroethene	ND	5.0		ND	NR			20	
Surrogate: 1,2-Dichloroethane-d4	*50.79*		*50.0000*		*102*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*51.83*		*50.0000*		*104*	*59 - 135*			
Surrogate: Dibromofluoromethane	*20.16*		*50.0000*		*40.3*	*71 - 150*			S2
Surrogate: Toluene-d8	*50.10*		*50.0000*		*100*	*77 - 129*			
Matrix Spike (B4F0182-MS1)		**Source: 1401725-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
1,1-Dichloroethene	32.1300	5.0	50.0000	ND	64.3	51 - 125			
Benzene	44.6900	5.0	50.0000	ND	89.4	61 - 123			
Chlorobenzene	45.8700	5.0	50.0000	ND	91.7	46 - 140			
MTBE	54.6300	5.0	50.0000	ND	109	45 - 135			
Toluene	47.1800	5.0	50.0000	ND	94.4	45 - 140			
Trichloroethene	48.9000	5.0	50.0000	ND	97.8	50 - 146			

Certificate of Analysis

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Oakland , CA 94612	Reported : 06/13/2014

Volatile Organic Compounds by EPA 8260B - Quality Control (cont'd)

Analyte	Result (ug/kg)	PQL (ug/kg)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Batch B4F0182 - MSVOAS2 (continued)									
Matrix Spike (B4F0182-MS1) - Continued		**Source: 1401725-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
Surrogate: 1,2-Dichloroethane-d4	*53.11*		*50.0000*		*106*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*50.44*		*50.0000*		*101*	*59 - 135*			
Surrogate: Dibromofluoromethane	*51.65*		*50.0000*		*103*	*71 - 150*			
Surrogate: Toluene-d8	*51.30*		*50.0000*		*103*	*77 - 129*			
Matrix Spike Dup (B4F0182-MSD1)		**Source: 1401725-01**		Prepared: 6/11/2014 Analyzed: 6/11/2014					
1,1-Dichloroethene	31.8800	5.0	50.0000	ND	63.8	51 - 125	0.781	20	
Benzene	43.4000	5.0	50.0000	ND	86.8	61 - 123	2.93	20	
Chlorobenzene	43.6800	5.0	50.0000	ND	87.4	46 - 140	4.89	20	
MTBE	53.1800	5.0	50.0000	ND	106	45 - 135	2.69	20	
Toluene	45.4300	5.0	50.0000	ND	90.9	45 - 140	3.78	20	
Trichloroethene	47.1600	5.0	50.0000	ND	94.3	50 - 146	3.62	20	
Surrogate: 1,2-Dichloroethane-d4	*54.55*		*50.0000*		*109*	*67 - 152*			
Surrogate: 4-Bromofluorobenzene	*52.14*		*50.0000*		*104*	*59 - 135*			
Surrogate: Dibromofluoromethane	*51.27*		*50.0000*		*103*	*71 - 150*			
Surrogate: Toluene-d8	*51.57*		*50.0000*		*103*	*77 - 129*			

Certificate of Analysis

Ninyo & Moore		Project Number :	Ashland, 402090002
1956 Webster Street, Suite 400		Report To :	Peter Sims
Oakland , CA 94612		Reported :	06/13/2014

Notes and Definitions

S2	Surrogate recovery was below laboratory acceptance limit. Reextraction and/or reanalysisconfirms low recovery caused by matrix effects.
ND	Analyte is not detected at or above the Practical Quantitation Limit (PQL). When client requests quantitation against MDL, analyte is not detected at or above the Method Detection Limit (MDL)
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
NR	Not Reported
RPD	Relative Percent Difference
CA2	CA-ELAP (CDPH)
OR1	OR-NELAP (OSPHL)
TX1	TX-NELAP (TCEQ)

Notes:
(1) The reported MDL and PQL are based on prep ratio variation and analytical dilution.
(2) The suffix [2C] of specific analytes signifies that the reported result is taken from the instrument's second column.
(3) Results are wet unless otherwise specified.

ADVANCED TECHNOLOGY LABORATORIES
3275 Walnut Ave., Signal Hill, CA 90755
Tel: (562) 989-4045 • Fax: (562) 989-4040

CHAIN OF CUSTODY RECORD

Page 1 of 1

Instruction: Complete all shaded areas.

For Laboratory Use Only — ATLCOC Ver:20130715

Method of Transport	Sample Conditions Upon Receipt					
	Condition	Y	N	Condition	Y	N
Client / ATL	1. CHILLED	✓		5. # OF SAMPLES MATCH COC	✓	
FedEx / OnTrac	2. HEADSPACE (VOA)			6. PRESERVED		
GSO ✓	3. CONTAINER INTACT	✓		7. COOLER TEMP, deg C:	7-✓	
Other:	4. SEALED					

CUSTOMER

Company: Ninyo & Moore	Address: 1956 Webster Street, Suite 400			Tel: (510) 343-3000	
	City: Oakland	State: CA	Zip: 94612	Fax: (510) 343-3000	

SEND REPORT TO:		SEND INVOICE TO: same as SEND REPORT TO
Attn: Peter Sims	Email: psims@ninyoandmoore.com	Attn: / Email:
Company: Ninyo & Moore		Company:
Address: 1956 Webster Street, Suite 400		Address:
City: Oakland	State: CA Zip: 94612	City: / State: / Zip:

PROJECT SAMPLES

Project Name: Ashland
Project No.: 402090002
Sampler: Peter Sims
Quote #:
PO #:
Special Instructions/Comments: Prepare composite sample COMPA by combining SPA-1, SPA-2, SPA-3, and SPA-4.
TAT = >36 <48 hours

ITEM	Lab No.	Sample Description: Sample ID / Location	Date	Time	6010 / 7000 (Title 22 Metals)	Select Analysis TTLC, STLC, WET	Select Analysis btex	Select Analysis	Select Analysis	Select Analysis	Select Analysis	Select Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Enter Custom Analysis	Select Soil Matrix	Select Solid Matrix	Select Water Matrix	Select Wastewater Matrix	Select Aqueous Matrix	Enter Custom Matrix	TAT	Container #	Container Type: 1=Tube; 2=VOA; 3=Liter; 4=Pint; 5=Jar; 6=Tedlar; 7 = Canister	Container Material: 1=Glass; 2=Plastic; 3=Metal	Container Preservative: 1=HCl; 2=HNO3; 3=H2SO4; 4 = 4C; 5=Zn (Ac)2; 6=NaOH; 7=NA2S2O3	REMARKS
1	1401724-1	SPA-3	6/10/14	0920																			X							1	5	1	4	
2	-2	SPA-4		0931																			X							1	5	1	4	
3	-3	SPA-2		0932																			X							1	5	1	4	
4	-4	SPA-1		0933																			X							1	5	1	4	
5	-5	COMPA		0934	X	X	X																											
6																																		
7																																		
8																																		
9																																		
10																																		

QA/QC: Routine / Caltrans / Legal / RWQCB Level IV

TERMS

1. Sample receiving hours: 7:30 AM to 7:30 PM Monday - Friday; Saturday 8:00 AM to 12:00 PM.
2. Samples submitted AFTER 3:00 PM are considered received the following business day at 8:00 AM.
3. The following turnaround time conditions apply:
   - TAT = 0 : 300% Surcharge SAME BUSINESS DAY if received by 9:00 AM
   - TAT = 1 : 100% Surcharge NEXT BUSINESS DAY (COB 5:00 PM)
   - TAT = 2 : 50% Surcharge 2ND BUSINESS DAY (COB 5:00 PM)
   - TAT = 3 : 30% Surcharge 3RD BUSINESS DAY (COB 5:00 PM)
   - TAT = 4 : 20% Surcharge 4TH BUSINESS DAY (COB 5:00 PM)
   - TAT = 5 : NO SURCHARGE 5th BUSINESS DAY (COB 5:00 PM)
4. Weekend, holiday, after-hours work --- ask for quote.
5. Subcontract TAT is 10 - 15 business days. Projects requiring shorter TATs will incur a surcharge respective to the subcontract lab --- ask for quote.
6. Liquid and solid samples will be disposed of after 45 calendar days from receipt of samples; air samples will be disposed of after 14 calendar days after receipt of samples.
7. Electronic records maintained for five (5) years from report date.
8. Hard copy reports will be disposed of after 45 calendar days from report date.
9. Storage and Report Fees:
   - Liquid & solid samples: Complimentary storage for forty-five (45) calendar days from receipt of samples; $2/sample/month if extended storage or hold is requested.
   - Air samples: Complimentary storage for ten (10) calendar days from receipt of samples; $20/ sample/week if extended storage is requested.
   - Hard copy and regenerated reports/EDDs: $17.50 per hard copy report requested; $50.00 per regenerated/reformatted report; $35 per reprocessed EDD.
10. Rush TCLP/STLC samples: add 2 days to analysis TAT for extraction procedure.
11. Unanalyzed samples will incur a disposal fee of $7 per sample.

As the authorized agent of the company above, I hereby purchase laboratory services from ATL as shown above and hereby guarantee payment as quoted.

Peter Sims — Submitter Print Name
Peter Sims — Signature

CUSTODY

	Date	Time		Date	Time
Relinquished by: (Signature and Printed Name) Peter Sims	6/10/14	1210	Received by: (Signature and Printed Name)	6/10/14	1210
Relinquished by: (Signature and Printed Name)	6/10/14	1543	Received by: (Signature and Printed Name) Jeff Siegfried	6/10/14	1543
Relinquished by: (Signature and Printed Name) Jeff Siegfried	6/10/14	1613	Received by: (Signature and Printed Name) GSO	6/10/14	1613

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61038-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
11/10/2014 4:03:20 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-61038-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61038-1

Comments
No additional comments.

Receipt
The samples were received on 11/5/2014 3:05 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.0º C.

GC/MS VOA
Method 8260B: SPB-3 (720-61038-3)

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analyte: COMP-B (720-61038-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Client Sample ID: SPB-3 — Lab Sample ID: 720-61038-3

No Detections.

Client Sample ID: COMP-B — Lab Sample ID: 720-61038-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	23		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	5.4		3.8		mg/Kg	4		6010B	Total/NA
Barium	150		1.9		mg/Kg	4		6010B	Total/NA
Chromium	45		1.9		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.76		mg/Kg	4		6010B	Total/NA
Copper	33		5.7		mg/Kg	4		6010B	Total/NA
Lead	20		1.9		mg/Kg	4		6010B	Total/NA
Nickel	48		1.9		mg/Kg	4		6010B	Total/NA
Vanadium	43		1.9		mg/Kg	4		6010B	Total/NA
Zinc	72		5.7		mg/Kg	4		6010B	Total/NA
Mercury	0.059		0.0092		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Client Sample ID: SPB-3
Date Collected: 11/05/14 09:22
Date Received: 11/05/14 15:05

Lab Sample ID: 720-61038-3
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		11/05/14 21:41	11/06/14 05:38	1
Benzene	ND		4.6		ug/Kg		11/05/14 21:41	11/06/14 05:38	1
Ethylbenzene	ND		4.6		ug/Kg		11/05/14 21:41	11/06/14 05:38	1
Toluene	ND		4.6		ug/Kg		11/05/14 21:41	11/06/14 05:38	1
Xylenes, Total	ND		9.2		ug/Kg		11/05/14 21:41	11/06/14 05:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/05/14 21:41	11/06/14 05:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*76*		*45 - 131*	*11/05/14 21:41*	*11/06/14 05:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*11/05/14 21:41*	*11/06/14 05:38*	*1*
Toluene-d8 (Surr)	*87*		*58 - 140*	*11/05/14 21:41*	*11/06/14 05:38*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Client Sample ID: COMP-B
Date Collected: 11/05/14 09:20
Date Received: 11/05/14 15:05

Lab Sample ID: 720-61038-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**23**		1.0		mg/Kg		11/06/14 15:30	11/07/14 15:16	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/06/14 15:30	11/07/14 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*11/06/14 15:30*	*11/07/14 15:16*	*1*
p-Terphenyl	*95*		*38 - 148*	*11/06/14 15:30*	*11/07/14 15:16*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Arsenic	**5.4**		3.8		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Barium	**150**		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Beryllium	ND		0.38		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Cadmium	ND		0.48		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Chromium	**45**		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Cobalt	**11**		0.76		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Copper	**33**		5.7		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Lead	**20**		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Molybdenum	ND		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Nickel	**48**		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Selenium	ND		3.8		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Silver	ND		0.95		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Thallium	ND		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Vanadium	**43**		1.9		mg/Kg		11/05/14 22:47	11/06/14 17:44	4
Zinc	**72**		5.7		mg/Kg		11/05/14 22:47	11/06/14 17:44	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.059**		0.0092		mg/Kg		11/05/14 22:39	11/06/14 13:08	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-170325/4
Matrix: Solid
Analysis Batch: 170325

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			11/05/14 20:13	1
Benzene	ND		5.0		ug/Kg			11/05/14 20:13	1
Ethylbenzene	ND		5.0		ug/Kg			11/05/14 20:13	1
Toluene	ND		5.0		ug/Kg			11/05/14 20:13	1
Xylenes, Total	ND		10		ug/Kg			11/05/14 20:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/05/14 20:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*		*11/05/14 20:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*		*11/05/14 20:13*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*		*11/05/14 20:13*	*1*

Lab Sample ID: LCS 720-170325/5
Matrix: Solid
Analysis Batch: 170325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	46.2		ug/Kg		92	70 - 144
Benzene	50.0	47.8		ug/Kg		96	70 - 130
Ethylbenzene	50.0	46.5		ug/Kg		93	80 - 137
Toluene	50.0	46.5		ug/Kg		93	80 - 128
m-Xylene & p-Xylene	50.0	46.2		ug/Kg		92	70 - 146
o-Xylene	50.0	46.3		ug/Kg		93	70 - 140

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*95*		*58 - 140*

Lab Sample ID: LCS 720-170325/7
Matrix: Solid
Analysis Batch: 170325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1110		ug/Kg		111	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*94*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170325/6
Matrix: Solid
Analysis Batch: 170325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			50.0	47.9		ug/Kg		96	70 - 144	4	20
Benzene			50.0	48.1		ug/Kg		96	70 - 130	1	20
Ethylbenzene			50.0	46.6		ug/Kg		93	80 - 137	0	20
Toluene			50.0	46.9		ug/Kg		94	80 - 128	1	20
m-Xylene & p-Xylene			50.0	46.5		ug/Kg		93	70 - 146	1	20
o-Xylene			50.0	46.8		ug/Kg		94	70 - 140	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: LCSD 720-170325/8
Matrix: Solid
Analysis Batch: 170325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1060		ug/Kg		106	61 - 128	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-170415/1-A
Matrix: Solid
Analysis Batch: 170459

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 170415

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/06/14 15:30	11/07/14 20:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/06/14 15:30	11/07/14 20:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*11/06/14 15:30*	*11/07/14 20:07*	*1*
p-Terphenyl	*103*		*38 - 148*	*11/06/14 15:30*	*11/07/14 20:07*	*1*

Lab Sample ID: LCS 720-170415/2-A
Matrix: Solid
Analysis Batch: 170459

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 170415

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Diesel Range Organics [C10-C28]			82.6	60.2		mg/Kg		73	36 - 112		

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-170415/2-A
Matrix: Solid
Analysis Batch: 170459

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 170415

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*106*		*38 - 148*

Lab Sample ID: 720-61038-5 MS
Matrix: Solid
Analysis Batch: 170458

Client Sample ID: COMP-B
Prep Type: Silica Gel Cleanup
Prep Batch: 170415

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	23		82.4	97.9		mg/Kg		90	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*93*		*38 - 148*

Lab Sample ID: 720-61038-5 MSD
Matrix: Solid
Analysis Batch: 170458

Client Sample ID: COMP-B
Prep Type: Silica Gel Cleanup
Prep Batch: 170415

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	23		82.1	160	F1 F2	mg/Kg		167	50 - 150	48	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*89*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-170362/1-A
Matrix: Solid
Analysis Batch: 170416

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170362

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Arsenic	ND		1.0		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Barium	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Beryllium	ND		0.10		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Cadmium	ND		0.13		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Chromium	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Cobalt	ND		0.20		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Copper	ND		1.5		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Lead	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Molybdenum	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Nickel	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Selenium	ND		1.0		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Silver	ND		0.25		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Thallium	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Vanadium	ND		0.50		mg/Kg		11/05/14 22:47	11/06/14 14:40	1
Zinc	ND		1.5		mg/Kg		11/05/14 22:47	11/06/14 14:40	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-170362/2-A
Matrix: Solid
Analysis Batch: 170416

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170362

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	48.5		mg/Kg		97	80 - 120
Arsenic	50.0	48.5		mg/Kg		97	80 - 120
Barium	50.0	50.1		mg/Kg		100	80 - 120
Beryllium	50.0	49.3		mg/Kg		99	80 - 120
Cadmium	50.0	51.3		mg/Kg		103	80 - 120
Chromium	50.0	52.5		mg/Kg		105	80 - 120
Cobalt	50.0	50.4		mg/Kg		101	80 - 120
Copper	50.0	50.7		mg/Kg		101	80 - 120
Lead	50.0	51.4		mg/Kg		103	80 - 120
Molybdenum	50.0	51.4		mg/Kg		103	80 - 120
Nickel	50.0	51.0		mg/Kg		102	80 - 120
Selenium	50.0	49.2		mg/Kg		98	80 - 120
Silver	25.0	24.0		mg/Kg		96	80 - 120
Thallium	50.0	51.0		mg/Kg		102	80 - 120
Vanadium	50.0	49.2		mg/Kg		98	80 - 120
Zinc	50.0	46.3		mg/Kg		93	80 - 120

Lab Sample ID: LCSD 720-170362/3-A
Matrix: Solid
Analysis Batch: 170416

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170362

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	50.0		mg/Kg		100	80 - 120	3	20
Arsenic	50.0	48.6		mg/Kg		97	80 - 120	0	20
Barium	50.0	50.3		mg/Kg		101	80 - 120	0	20
Beryllium	50.0	49.4		mg/Kg		99	80 - 120	0	20
Cadmium	50.0	51.4		mg/Kg		103	80 - 120	0	20
Chromium	50.0	52.7		mg/Kg		105	80 - 120	0	20
Cobalt	50.0	50.5		mg/Kg		101	80 - 120	0	20
Copper	50.0	50.9		mg/Kg		102	80 - 120	0	20
Lead	50.0	51.7		mg/Kg		103	80 - 120	1	20
Molybdenum	50.0	52.0		mg/Kg		104	80 - 120	1	20
Nickel	50.0	51.3		mg/Kg		103	80 - 120	1	20
Selenium	50.0	49.8		mg/Kg		100	80 - 120	1	20
Silver	25.0	23.9		mg/Kg		96	80 - 120	0	20
Thallium	50.0	51.2		mg/Kg		102	80 - 120	0	20
Vanadium	50.0	49.2		mg/Kg		98	80 - 120	0	20
Zinc	50.0	46.4		mg/Kg		93	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-170360/1-A
Matrix: Solid
Analysis Batch: 170406

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170360

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		11/05/14 21:57	11/06/14 12:48	1

Method: 7471A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 720-170360/2-A
Matrix: Solid
Analysis Batch: 170406

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170360

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.665		mg/Kg		80	80 - 120

Lab Sample ID: LCSD 720-170360/3-A
Matrix: Solid
Analysis Batch: 170406

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170360

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.697		mg/Kg		84	80 - 120	5	20

GC/MS VOA

Analysis Batch: 170325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-3	SPB-3	Total/NA	Solid	8260B/CA_LUFT MS	170354
LCS 720-170325/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170325/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170325/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170325/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170325/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-3	SPB-3	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 170415

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Silica Gel Cleanup	Solid	3546	
720-61038-5 MS	COMP-B	Silica Gel Cleanup	Solid	3546	
720-61038-5 MSD	COMP-B	Silica Gel Cleanup	Solid	3546	
LCS 720-170415/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
MB 720-170415/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 170458

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Silica Gel Cleanup	Solid	8015B	170415
720-61038-5 MS	COMP-B	Silica Gel Cleanup	Solid	8015B	170415
720-61038-5 MSD	COMP-B	Silica Gel Cleanup	Solid	8015B	170415

Analysis Batch: 170459

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170415/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	170415
MB 720-170415/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	170415

Metals

Prep Batch: 170360

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Total/NA	Solid	7471A	
LCS 720-170360/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-170360/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-170360/1-A	Method Blank	Total/NA	Solid	7471A	

Prep Batch: 170362

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Total/NA	Solid	3050B	
LCS 720-170362/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-170362/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 170362 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 720-170362/1-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 170406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Total/NA	Solid	7471A	170360
LCS 720-170360/2-A	Lab Control Sample	Total/NA	Solid	7471A	170360
LCSD 720-170360/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	170360
MB 720-170360/1-A	Method Blank	Total/NA	Solid	7471A	170360

Analysis Batch: 170416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170362/2-A	Lab Control Sample	Total/NA	Solid	6010B	170362
LCSD 720-170362/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	170362
MB 720-170362/1-A	Method Blank	Total/NA	Solid	6010B	170362

Analysis Batch: 170439

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61038-5	COMP-B	Total/NA	Solid	6010B	170362

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Client Sample ID: SPB-3

Lab Sample ID: 720-61038-3

Date Collected: 11/05/14 09:22

Matrix: Solid

Date Received: 11/05/14 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170354	11/05/14 21:41	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170325	11/06/14 05:38	ASC	TAL PLS

Client Sample ID: COMP-B

Lab Sample ID: 720-61038-5

Date Collected: 11/05/14 09:20

Matrix: Solid

Date Received: 11/05/14 15:05

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170415	11/06/14 15:30	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170458	11/07/14 15:16	JL	TAL PLS
Total/NA	Prep	3050B			170362	11/05/14 22:47	CTD	TAL PLS
Total/NA	Analysis	6010B		4	170439	11/06/14 17:44	SLK	TAL PLS
Total/NA	Prep	7471A			170360	11/05/14 22:39	JCR	TAL PLS
Total/NA	Analysis	7471A		1	170406	11/06/14 13:08	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61038-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61038-3	SPB-3	Solid	11/05/14 09:22	11/05/14 15:05
720-61038-5	COMP-B	Solid	11/05/14 09:20	11/05/14 15:05

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

720-61038

TESTAMERICA Pleasanton Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

Reference #: 157396

Date 11/5/14 Page 1 of 1

11/10/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: same
Sampled By: M.Terry
Attn:
Phone: 510.343.3000

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015B (☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Ether)	SemiVolatile Organics GC/MS ☐ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals: ☐ 6020 ☐ 200.8 (ICP-MS):	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity			Number of Containers
SPB-1	11/5/14	0920	Soil	ice				X					X												
SPB-2 (COMP B)	"	0921	"	"				X					X												
SPB-3	"	0922	"	"			X	X					X												
SPB-4	"	0923	"	"				X					X												

720-61038 Chain of Custody

RUSH

Analyze COMP B for TPHd, mo (w/SGC) and Title 22 Metals.

Analyze SPB-3 for TPHg & BTEX

Project Info.

Project Name/ #: Ashland 402090.002
PO#:
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers:
Head Space:
Temp: 3°C

TAT: 10 Day | 5 Day | 4 Day | (3 Day) | 2 Day | 1 Day | Other:

Report. ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: M Terry	Signature: Yadvinder S Bhullar	Signature:
Time: 11/5/14	Time: 1505h	Time:
Printed Name: Melissa Terry	Printed Name:	Printed Name:
Date:	Date: 11/05/14	Date:
Company: Ninyo & Moore	Company: WCG	Company:

1) Received by:	2) Received by:	3) Received by:
Signature: YADVINDER	Signature: 1505	Signature:
Time:	Time:	Time:
Printed Name:	Printed Name: Mullen 11-5-14	Printed Name:
Date: 11/05/14	Date:	Date:
Company: WCG	Company:	Company:

Rev.10/2012

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61038-1

Login Number: 61038

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61118-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
11/11/2014 5:15:08 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
D	Surrogate or matrix spike recoveries were not obtained because the extract was diluted for analysis; also compounds analyzed at a dilution may be flagged with a D.
X	Surrogate is outside control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-61118-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61118-1

Comments
No additional comments.

Receipt
The samples were received on 11/7/2014 3:41 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 0.9º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
Method 8015B: The following sample required a dilution due to the nature of the sample matrix: COMP C (720-61118-5). Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
Method 6010B: The following sample was diluted due to the abundance of non-target analyte: COMP C (720-61118-5). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Client Sample ID: SPC-3 — Lab Sample ID: 720-61118-3

No Detections.

Client Sample ID: COMP C — Lab Sample ID: 720-61118-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	85		4.9		mg/Kg	5		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	430		250		mg/Kg	5		8015B	Silica Gel Cleanup
Arsenic	4.5		3.1		mg/Kg	4		6010B	Total/NA
Barium	120		1.5		mg/Kg	4		6010B	Total/NA
Chromium	30		1.5		mg/Kg	4		6010B	Total/NA
Cobalt	8.2		0.62		mg/Kg	4		6010B	Total/NA
Copper	22		4.6		mg/Kg	4		6010B	Total/NA
Lead	7.3		1.5		mg/Kg	4		6010B	Total/NA
Nickel	35		1.5		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.5		mg/Kg	4		6010B	Total/NA
Zinc	53		4.6		mg/Kg	4		6010B	Total/NA
Mercury	0.041		0.0095		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Client Sample ID: SPC-3
Date Collected: 11/07/14 11:41
Date Received: 11/07/14 15:41

Lab Sample ID: 720-61118-3
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/10/14 10:00	11/10/14 14:03	1
Ethylbenzene	ND		4.9		ug/Kg		11/10/14 10:00	11/10/14 14:03	1
Toluene	ND		4.9		ug/Kg		11/10/14 10:00	11/10/14 14:03	1
Xylenes, Total	ND		9.8		ug/Kg		11/10/14 10:00	11/10/14 14:03	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/10/14 10:00	11/10/14 14:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*80*		*45 - 131*	*11/10/14 10:00*	*11/10/14 14:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*84*		*60 - 140*	*11/10/14 10:00*	*11/10/14 14:03*	*1*
Toluene-d8 (Surr)	*87*		*58 - 140*	*11/10/14 10:00*	*11/10/14 14:03*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Client Sample ID: COMP C
Date Collected: 11/07/14 11:39
Date Received: 11/07/14 15:41

Lab Sample ID: 720-61118-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	85		4.9		mg/Kg		11/10/14 16:59	11/11/14 12:19	5
Motor Oil Range Organics [C24-C36]	430		250		mg/Kg		11/10/14 16:59	11/11/14 12:19	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*11/10/14 16:59*	*11/11/14 12:19*	*5*
p-Terphenyl	*0*	*X D*	*38 - 148*	*11/10/14 16:59*	*11/11/14 12:19*	*5*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Arsenic	4.5		3.1		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Barium	120		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Beryllium	ND		0.31		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Cadmium	ND		0.38		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Chromium	30		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Cobalt	8.2		0.62		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Copper	22		4.6		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Lead	7.3		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Molybdenum	ND		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Nickel	35		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Selenium	ND		3.1		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Silver	ND		0.77		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Thallium	ND		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Vanadium	33		1.5		mg/Kg		11/08/14 13:47	11/10/14 19:48	4
Zinc	53		4.6		mg/Kg		11/08/14 13:47	11/10/14 19:48	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041		0.0095		mg/Kg		11/08/14 17:04	11/10/14 17:24	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-170545/5
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/10/14 09:07	1
Ethylbenzene	ND		5.0		ug/Kg			11/10/14 09:07	1
Toluene	ND		5.0		ug/Kg			11/10/14 09:07	1
Xylenes, Total	ND		10		ug/Kg			11/10/14 09:07	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/10/14 09:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*45 - 131*		*11/10/14 09:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*80*		*60 - 140*		*11/10/14 09:07*	*1*
Toluene-d8 (Surr)	*94*		*58 - 140*		*11/10/14 09:07*	*1*

Lab Sample ID: LCS 720-170545/6
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Benzene			50.0	48.0		ug/Kg		96	70 - 130		
Ethylbenzene			50.0	42.5		ug/Kg		85	80 - 137		
Toluene			50.0	43.1		ug/Kg		86	80 - 128		
m-Xylene & p-Xylene			50.0	43.1		ug/Kg		86	70 - 146		
o-Xylene			50.0	44.5		ug/Kg		89	70 - 140		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*88*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*79*		*60 - 140*
Toluene-d8 (Surr)	*94*		*58 - 140*

Lab Sample ID: LCS 720-170545/8
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	969		ug/Kg		97	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*85*		*60 - 140*
Toluene-d8 (Surr)	*94*		*58 - 140*

Lab Sample ID: LCSD 720-170545/7
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	47.7		ug/Kg		95	70 - 130	1	20
Ethylbenzene			50.0	43.7		ug/Kg		87	80 - 137	3	20

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170545/7
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Toluene			50.0	44.1		ug/Kg		88	80 - 128	2	20
m-Xylene & p-Xylene			50.0	44.3		ug/Kg		89	70 - 146	3	20
o-Xylene			50.0	45.3		ug/Kg		91	70 - 140	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*74*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Lab Sample ID: LCSD 720-170545/9
Matrix: Solid
Analysis Batch: 170545

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	951		ug/Kg		95	61 - 128	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*80*		*60 - 140*
Toluene-d8 (Surr)	*92*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-170589/1-A
Matrix: Solid
Analysis Batch: 170563

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 170589

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.98		mg/Kg		11/10/14 13:15	11/10/14 21:48	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		11/10/14 13:15	11/10/14 21:48	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*11/10/14 13:15*	*11/10/14 21:48*	*1*
p-Terphenyl	*90*		*38 - 148*	*11/10/14 13:15*	*11/10/14 21:48*	*1*

Lab Sample ID: LCS 720-170589/2-A
Matrix: Solid
Analysis Batch: 170563

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 170589

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			83.0	54.3		mg/Kg		65	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*91*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-170539/1-A
Matrix: Solid
Analysis Batch: 170581

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170539

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Arsenic	ND		1.0		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Barium	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Beryllium	ND		0.10		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Cadmium	ND		0.13		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Chromium	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Cobalt	ND		0.20		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Copper	ND		1.5		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Lead	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Molybdenum	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Nickel	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Selenium	ND		1.0		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Silver	ND		0.25		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Thallium	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Vanadium	ND		0.50		mg/Kg		11/08/14 13:47	11/10/14 09:50	1
Zinc	ND		1.5		mg/Kg		11/08/14 13:47	11/10/14 09:50	1

Lab Sample ID: LCS 720-170539/2-A
Matrix: Solid
Analysis Batch: 170581

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170539

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	43.2		mg/Kg		86	80 - 120
Arsenic	50.0	47.7		mg/Kg		95	80 - 120
Barium	50.0	50.5		mg/Kg		101	80 - 120
Beryllium	50.0	48.8		mg/Kg		98	80 - 120
Cadmium	50.0	50.1		mg/Kg		100	80 - 120
Chromium	50.0	52.1		mg/Kg		104	80 - 120
Cobalt	50.0	49.4		mg/Kg		99	80 - 120
Copper	50.0	49.7		mg/Kg		99	80 - 120
Lead	50.0	49.6		mg/Kg		99	80 - 120
Molybdenum	50.0	50.2		mg/Kg		100	80 - 120
Nickel	50.0	50.5		mg/Kg		101	80 - 120
Selenium	50.0	47.5		mg/Kg		95	80 - 120
Silver	25.0	25.0		mg/Kg		100	80 - 120
Thallium	50.0	50.2		mg/Kg		100	80 - 120
Vanadium	50.0	49.5		mg/Kg		99	80 - 120
Zinc	50.0	45.8		mg/Kg		92	80 - 120

Lab Sample ID: LCSD 720-170539/3-A
Matrix: Solid
Analysis Batch: 170581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170539

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	47.2		mg/Kg		94	80 - 120	9	20
Arsenic	50.0	47.7		mg/Kg		95	80 - 120	0	20
Barium	50.0	50.0		mg/Kg		100	80 - 120	1	20
Beryllium	50.0	48.9		mg/Kg		98	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-170539/3-A
Matrix: Solid
Analysis Batch: 170581

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170539

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium			50.0	50.1		mg/Kg		100	80 - 120	0	20
Chromium			50.0	51.4		mg/Kg		103	80 - 120	1	20
Cobalt			50.0	49.3		mg/Kg		99	80 - 120	0	20
Copper			50.0	49.6		mg/Kg		99	80 - 120	0	20
Lead			50.0	49.1		mg/Kg		98	80 - 120	1	20
Molybdenum			50.0	50.7		mg/Kg		101	80 - 120	1	20
Nickel			50.0	50.1		mg/Kg		100	80 - 120	1	20
Selenium			50.0	47.8		mg/Kg		96	80 - 120	1	20
Silver			25.0	24.9		mg/Kg		100	80 - 120	0	20
Thallium			50.0	50.3		mg/Kg		101	80 - 120	0	20
Vanadium			50.0	48.9		mg/Kg		98	80 - 120	1	20
Zinc			50.0	50.0		mg/Kg		100	80 - 120	9	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-170541/1-A
Matrix: Solid
Analysis Batch: 170610

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170541

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		11/08/14 17:04	11/10/14 16:28	1

Lab Sample ID: LCS 720-170541/2-A
Matrix: Solid
Analysis Batch: 170610

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170541

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury			0.833	0.858		mg/Kg		103	80 - 120

Lab Sample ID: LCSD 720-170541/3-A
Matrix: Solid
Analysis Batch: 170610

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170541

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.850		mg/Kg		102	80 - 120	1	20

GC/MS VOA

Analysis Batch: 170545

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-3	SPC-3	Total/NA	Solid	8260B/CA_LUFT MS	170587
LCS 720-170545/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170545/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170545/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170545/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170545/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170587

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-3	SPC-3	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 170563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170589/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	170589
MB 720-170589/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	170589

Prep Batch: 170589

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Silica Gel Cleanup	Solid	3546	
LCS 720-170589/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
MB 720-170589/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 170657

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Silica Gel Cleanup	Solid	8015B	170589

Metals

Prep Batch: 170539

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Total/NA	Solid	3050B	
LCS 720-170539/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-170539/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-170539/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Total/NA	Solid	7471A	
LCS 720-170541/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-170541/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-170541/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 170581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170539/2-A	Lab Control Sample	Total/NA	Solid	6010B	170539
LCSD 720-170539/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	170539
MB 720-170539/1-A	Method Blank	Total/NA	Solid	6010B	170539

Analysis Batch: 170610

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170541/2-A	Lab Control Sample	Total/NA	Solid	7471A	170541
LCSD 720-170541/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	170541
MB 720-170541/1-A	Method Blank	Total/NA	Solid	7471A	170541

Analysis Batch: 170623

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Total/NA	Solid	7471A	170541

Analysis Batch: 170628

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61118-5	COMP C	Total/NA	Solid	6010B	170539

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Client Sample ID: SPC-3

Lab Sample ID: 720-61118-3

Date Collected: 11/07/14 11:41

Matrix: Solid

Date Received: 11/07/14 15:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170587	11/10/14 10:00	YYB	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170545	11/10/14 14:03	ASC	TAL PLS

Client Sample ID: COMP C

Lab Sample ID: 720-61118-5

Date Collected: 11/07/14 11:39

Matrix: Solid

Date Received: 11/07/14 15:41

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170589	11/10/14 16:59	AFM	TAL PLS
Silica Gel Cleanup	Analysis	8015B		5	170657	11/11/14 12:19	JL	TAL PLS
Total/NA	Prep	3050B			170539	11/08/14 13:47	CTD	TAL PLS
Total/NA	Analysis	6010B		4	170628	11/10/14 19:48	SLK	TAL PLS
Total/NA	Prep	7471A			170541	11/08/14 17:04	ASB	TAL PLS
Total/NA	Analysis	7471A		1	170623	11/10/14 17:24	SLK	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61118-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61118-3	SPC-3	Solid	11/07/14 11:41	11/07/14 15:41
720-61118-5	COMP C	Solid	11/07/14 11:39	11/07/14 15:41

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

720-61118

Reference #: 157467

Date 11/7/14 Page 1 of 1

11/11/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: same
Sampled By: M. Temi
Attn:
Phone: 510.343.3000

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015B ☒ Silica Ge ☒ Diesel ☒ Motor Oil ☐ Other	SemiVolatile Organics GC/MS ☐ EPA 8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals: ☐ 6020 ☐ 200.8 (ICP-MS):	☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP	Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity			Number of Containers
SPC-1	11/7/14	1139	Soil	ice				X					X													
SPC-2 (COMP C)	"	1140	"	"				X					X													
SPC-3	"	1141	"	"			X	X					X													
SPC-4	"	1142	"	"				X					X													

Analyze COMP C for TPH diesel & motor oil w/SGC and Title 22 Metals

Analyze SPC-3 for TPH gasoline & BTEX

All 48-hour TAT

RUSH

720-61118 Chain of Custody

Project Info.

Project Name/ #: Ashland 402090002
PO#:

Sample Receipt

of Containers:
Head Space:
Temp: 0.9°C

Credit Card Y/N: If yes, please call with payment information ASAP

TAT: 10 Day | 5 Day | 4 Day | 3 Day | (2 Day) | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse

1) Relinquished by:	Time	2) Relinquished by:	Time	3) Relinquished by:	Time
M Temi	1425		1541		
Signature		Signature		Signature	
Melissa Temi	11/4/14	Keith Hammerle	11-7-14		
Printed Name	Date	Printed Name	Date	Printed Name	Date
Ninyo & Moore		TA			
Company		Company		Company	

1) Received by:	Time	2) Received by:	Time	3) Received by:	Time
	1425		1541		
Signature		Signature		Signature	
Keith Hammerle	11-7-14	Mullen	11-7-14		
Printed Name	Date	Printed Name	Date	Printed Name	Date
TA					
Company		Company		Company	

Rev.10/2012

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61118-1

Login Number: 61118

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61295-1
Client Project/Site: RCD/Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
11/24/2014 3:04:39 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Qualifiers

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-61295-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61295-1

Comments
No additional comments.

Receipt
The samples were received on 11/17/2014 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3º C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Client Sample ID: SPD-4 — Lab Sample ID: 720-61295-4

No Detections.

Client Sample ID: COMP D — Lab Sample ID: 720-61295-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	110		3.0		mg/Kg	3		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	320		150		mg/Kg	3		8015B	Silica Gel Cleanup
Arsenic	4.7		0.93		mg/Kg	1		6010B	Total/NA
Barium	99		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.21		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	0.28		0.12		mg/Kg	1		6010B	Total/NA
Chromium	29		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	8.4		0.19		mg/Kg	1		6010B	Total/NA
Copper	29		1.4		mg/Kg	1		6010B	Total/NA
Lead	100		0.47		mg/Kg	1		6010B	Total/NA
Nickel	29		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	31		0.47		mg/Kg	1		6010B	Total/NA
Zinc	82		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.051		0.0085		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Client Sample ID: SPD-4
Date Collected: 11/17/14 08:19
Date Received: 11/17/14 16:35

Lab Sample ID: 720-61295-4
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/21/14 20:39	11/22/14 02:08	1
Ethylbenzene	ND		4.9		ug/Kg		11/21/14 20:39	11/22/14 02:08	1
Toluene	ND		4.9		ug/Kg		11/21/14 20:39	11/22/14 02:08	1
Xylenes, Total	ND		9.8		ug/Kg		11/21/14 20:39	11/22/14 02:08	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/21/14 20:39	11/22/14 02:08	1
Naphthalene	ND		9.8		ug/Kg		11/21/14 20:39	11/22/14 02:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*	*11/21/14 20:39*	*11/22/14 02:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*60 - 140*	*11/21/14 20:39*	*11/22/14 02:08*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*11/21/14 20:39*	*11/22/14 02:08*	*1*

Client Sample ID: COMP D
Date Collected: 11/17/14 08:16
Date Received: 11/17/14 16:35

Lab Sample ID: 720-61295-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**110**		3.0		mg/Kg		11/20/14 08:28	11/20/14 23:09	3
Motor Oil Range Organics [C24-C36]	**320**		150		mg/Kg		11/20/14 08:28	11/20/14 23:09	3

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.6*		*0 - 1*	*11/20/14 08:28*	*11/20/14 23:09*	*3*
p-Terphenyl	*85*		*38 - 148*	*11/20/14 08:28*	*11/20/14 23:09*	*3*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Arsenic	**4.7**		0.93		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Barium	**99**		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Beryllium	**0.21**		0.093		mg/Kg		11/19/14 17:50	11/21/14 20:35	1
Cadmium	**0.28**		0.12		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Chromium	**29**		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Cobalt	**8.4**		0.19		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Copper	**29**		1.4		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Lead	**100**		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Molybdenum	ND		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Nickel	**29**		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Selenium	ND		0.93		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Silver	ND		0.23		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Thallium	ND		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Vanadium	**31**		0.47		mg/Kg		11/19/14 17:50	11/21/14 10:57	1
Zinc	**82**		1.4		mg/Kg		11/19/14 17:50	11/21/14 10:57	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.051**		0.0085		mg/Kg		11/19/14 20:40	11/21/14 09:52	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-171426/4
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/21/14 19:42	1
Ethylbenzene	ND		5.0		ug/Kg			11/21/14 19:42	1
Toluene	ND		5.0		ug/Kg			11/21/14 19:42	1
Xylenes, Total	ND		10		ug/Kg			11/21/14 19:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/21/14 19:42	1
Naphthalene	ND		10		ug/Kg			11/21/14 19:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*45 - 131*		*11/21/14 19:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*60 - 140*		*11/21/14 19:42*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*		*11/21/14 19:42*	*1*

Lab Sample ID: LCS 720-171426/5
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	48.0		ug/Kg		96	70 - 130
Ethylbenzene	50.0	48.3		ug/Kg		97	80 - 137
Toluene	50.0	46.4		ug/Kg		93	80 - 128
m-Xylene & p-Xylene	50.0	47.8		ug/Kg		96	70 - 146
o-Xylene	50.0	49.3		ug/Kg		99	70 - 140
Naphthalene	50.0	49.2		ug/Kg		98	60 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Lab Sample ID: LCS 720-171426/7
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1110		ug/Kg		111	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*110*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-171426/6
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	47.8		ug/Kg		96	70 - 130	0	20
Ethylbenzene			50.0	48.6		ug/Kg		97	80 - 137	1	20
Toluene			50.0	46.8		ug/Kg		94	80 - 128	1	20
m-Xylene & p-Xylene			50.0	48.3		ug/Kg		97	70 - 146	1	20
o-Xylene			50.0	49.5		ug/Kg		99	70 - 140	0	20
Naphthalene			50.0	48.9		ug/Kg		98	60 - 147	0	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*102*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: LCSD 720-171426/8
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1110		ug/Kg		111	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*97*		*58 - 140*

Lab Sample ID: 720-61295-4 MS
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: SPD-4
Prep Type: Total/NA
Prep Batch: 171445

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	ND		47.8	46.9		ug/Kg		98	70 - 130
Ethylbenzene	ND		47.8	45.8		ug/Kg		96	65 - 130
Toluene	ND		47.8	44.5		ug/Kg		93	70 - 130
m-Xylene & p-Xylene	ND		47.8	44.9		ug/Kg		94	70 - 130
o-Xylene	ND		47.8	46.5		ug/Kg		97	68 - 130
Naphthalene	ND		47.8	41.9		ug/Kg		88	45 - 146

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: 720-61295-4 MSD
Matrix: Solid
Analysis Batch: 171426

Client Sample ID: SPD-4
Prep Type: Total/NA
Prep Batch: 171445

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	ND		50.0	50.8		ug/Kg		102	70 - 130	8	20
Ethylbenzene	ND		50.0	49.3		ug/Kg		99	65 - 130	7	20
Toluene	ND		50.0	48.1		ug/Kg		96	70 - 130	8	20
m-Xylene & p-Xylene	ND		50.0	48.0		ug/Kg		96	70 - 130	7	20
o-Xylene	ND		50.0	50.0		ug/Kg		100	68 - 130	7	20
Naphthalene	ND		50.0	45.0		ug/Kg		90	45 - 146	7	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*106*		*60 - 140*
Toluene-d8 (Surr)	*98*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-171291/1-A
Matrix: Solid
Analysis Batch: 171287

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 171291

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		11/20/14 08:28	11/21/14 01:31	1
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		11/20/14 08:28	11/21/14 01:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*11/20/14 08:28*	*11/21/14 01:31*	*1*
p-Terphenyl	*89*		*38 - 148*	*11/20/14 08:28*	*11/21/14 01:31*	*1*

Lab Sample ID: LCS 720-171291/2-A
Matrix: Solid
Analysis Batch: 171287

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 171291

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			83.1	53.2		mg/Kg		64	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

Lab Sample ID: 720-61295-5 MS
Matrix: Solid
Analysis Batch: 171287

Client Sample ID: COMP D
Prep Type: Silica Gel Cleanup
Prep Batch: 171291

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	110		82.1	177		mg/Kg		80	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*111*		*38 - 148*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-61295-5 MSD
Matrix: Solid
Analysis Batch: 171287

Client Sample ID: COMP D
Prep Type: Silica Gel Cleanup
Prep Batch: 171291

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	110		82.0	152	F1	mg/Kg		49	50 - 150	15	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*96*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-171257/1-A
Matrix: Solid
Analysis Batch: 171325

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 171257

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Arsenic	ND		1.0		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Barium	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Beryllium	ND		0.10		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Cadmium	ND		0.13		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Chromium	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Cobalt	ND		0.20		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Copper	ND		1.5		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Lead	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Molybdenum	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Nickel	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Selenium	ND		1.0		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Silver	ND		0.25		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Thallium	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Vanadium	ND		0.50		mg/Kg		11/19/14 17:50	11/20/14 13:20	1
Zinc	ND		1.5		mg/Kg		11/19/14 17:50	11/20/14 13:20	1

Lab Sample ID: LCS 720-171257/2-A
Matrix: Solid
Analysis Batch: 171325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	49.4		mg/Kg		99	80 - 120
Arsenic	50.0	48.9		mg/Kg		98	80 - 120
Barium	50.0	52.4		mg/Kg		105	80 - 120
Beryllium	50.0	50.2		mg/Kg		100	80 - 120
Cadmium	50.0	52.7		mg/Kg		105	80 - 120
Chromium	50.0	52.2		mg/Kg		104	80 - 120
Cobalt	50.0	51.6		mg/Kg		103	80 - 120
Copper	50.0	50.8		mg/Kg		102	80 - 120
Lead	50.0	51.0		mg/Kg		102	80 - 120
Molybdenum	50.0	51.7		mg/Kg		103	80 - 120
Nickel	50.0	51.1		mg/Kg		102	80 - 120
Selenium	50.0	49.7		mg/Kg		99	80 - 120
Silver	25.0	25.4		mg/Kg		102	80 - 120

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCS 720-171257/2-A
Matrix: Solid
Analysis Batch: 171325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171257

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	50.0	51.9		mg/Kg		104	80 - 120
Vanadium	50.0	50.2		mg/Kg		100	80 - 120
Zinc	50.0	50.2		mg/Kg		100	80 - 120

Lab Sample ID: LCSD 720-171257/3-A
Matrix: Solid
Analysis Batch: 171325

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 171257

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	46.6		mg/Kg		93	80 - 120	6	20
Arsenic	50.0	45.9		mg/Kg		92	80 - 120	6	20
Barium	50.0	48.7		mg/Kg		97	80 - 120	7	20
Beryllium	50.0	46.5		mg/Kg		93	80 - 120	8	20
Cadmium	50.0	49.4		mg/Kg		99	80 - 120	7	20
Chromium	50.0	49.1		mg/Kg		98	80 - 120	6	20
Cobalt	50.0	48.4		mg/Kg		97	80 - 120	6	20
Copper	50.0	47.8		mg/Kg		96	80 - 120	6	20
Lead	50.0	47.7		mg/Kg		95	80 - 120	7	20
Molybdenum	50.0	48.6		mg/Kg		97	80 - 120	6	20
Nickel	50.0	47.9		mg/Kg		96	80 - 120	7	20
Selenium	50.0	46.5		mg/Kg		93	80 - 120	7	20
Silver	25.0	24.1		mg/Kg		96	80 - 120	5	20
Thallium	50.0	48.8		mg/Kg		98	80 - 120	6	20
Vanadium	50.0	46.7		mg/Kg		93	80 - 120	7	20
Zinc	50.0	47.4		mg/Kg		95	80 - 120	6	20

Lab Sample ID: LCSSRM 720-171257/25-A
Matrix: Solid
Analysis Batch: 171325

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171257

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	40.5		mg/Kg		54	11 - 101
Arsenic	45.5	40.9		mg/Kg		90	69 - 119
Barium	579	506		mg/Kg		87	61 - 117
Beryllium	155	142		mg/Kg		92	56 - 102
Cadmium	201	182		mg/Kg		91	67 - 118
Chromium	106	97.1		mg/Kg		92	67 - 121
Cobalt	247	218		mg/Kg		88	64 - 133
Copper	130	120		mg/Kg		92	68 - 126
Lead	302	255		mg/Kg		85	62 - 113
Molybdenum	165	144		mg/Kg		87	62 - 128
Nickel	305	266		mg/Kg		87	65 - 117
Selenium	133	122		mg/Kg		92	63 - 126
Silver	33.5	31.5		mg/Kg		94	51 - 130
Thallium	191	162		mg/Kg		85	64 - 124
Vanadium	214	187		mg/Kg		87	67 - 123
Zinc	388	335		mg/Kg		86	62 - 110

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-171267/1-A
Matrix: Solid
Analysis Batch: 171391

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 171267

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		11/19/14 20:40	11/21/14 09:32	1

Lab Sample ID: LCS 720-171267/2-A
Matrix: Solid
Analysis Batch: 171391

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171267

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.875		mg/Kg		105	80 - 120

Lab Sample ID: LCSD 720-171267/3-A
Matrix: Solid
Analysis Batch: 171391

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 171267

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.883		mg/Kg		106	80 - 120	1	20

GC/MS VOA

Analysis Batch: 171426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-4	SPD-4	Total/NA	Solid	8260B/CA_LUFT MS	171445
720-61295-4 MS	SPD-4	Total/NA	Solid	8260B/CA_LUFT MS	171445
720-61295-4 MSD	SPD-4	Total/NA	Solid	8260B/CA_LUFT MS	171445
LCS 720-171426/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-171426/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-171426/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-171426/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-171426/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 171445

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-4	SPD-4	Total/NA	Solid	5030B	
720-61295-4 MS	SPD-4	Total/NA	Solid	5030B	
720-61295-4 MSD	SPD-4	Total/NA	Solid	5030B	

GC Semi VOA

Analysis Batch: 171287

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Silica Gel Cleanup	Solid	8015B	171291
720-61295-5 MS	COMP D	Silica Gel Cleanup	Solid	8015B	171291
720-61295-5 MSD	COMP D	Silica Gel Cleanup	Solid	8015B	171291
LCS 720-171291/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	171291
MB 720-171291/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	171291

Prep Batch: 171291

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Silica Gel Cleanup	Solid	3546	
720-61295-5 MS	COMP D	Silica Gel Cleanup	Solid	3546	
720-61295-5 MSD	COMP D	Silica Gel Cleanup	Solid	3546	
LCS 720-171291/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
MB 720-171291/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Metals

Prep Batch: 171257

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Total/NA	Solid	3050B	
LCS 720-171257/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-171257/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-171257/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-171257/1-A	Method Blank	Total/NA	Solid	3050B	

Metals (Continued)

Prep Batch: 171267

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Total/NA	Solid	7471A	
LCS 720-171267/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-171267/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-171267/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 171325

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-171257/2-A	Lab Control Sample	Total/NA	Solid	6010B	171257
LCSD 720-171257/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	171257
LCSSRM 720-171257/25-A	Lab Control Sample	Total/NA	Solid	6010B	171257
MB 720-171257/1-A	Method Blank	Total/NA	Solid	6010B	171257

Analysis Batch: 171391

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Total/NA	Solid	7471A	171267
LCS 720-171267/2-A	Lab Control Sample	Total/NA	Solid	7471A	171267
LCSD 720-171267/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	171267
MB 720-171267/1-A	Method Blank	Total/NA	Solid	7471A	171267

Analysis Batch: 171401

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Total/NA	Solid	6010B	171257

Analysis Batch: 171449

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	Total/NA	Solid	6010B	171257

Lab Chronicle

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Client Sample ID: SPD-4

Lab Sample ID: 720-61295-4

Date Collected: 11/17/14 08:19

Matrix: Solid

Date Received: 11/17/14 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			171445	11/21/14 20:39	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	171426	11/22/14 02:08	PDR	TAL PLS

Client Sample ID: COMP D

Lab Sample ID: 720-61295-5

Date Collected: 11/17/14 08:16

Matrix: Solid

Date Received: 11/17/14 16:35

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			171291	11/20/14 08:28	NDU	TAL PLS
Silica Gel Cleanup	Analysis	8015B		3	171287	11/20/14 23:09	JXL	TAL PLS
Total/NA	Prep	3050B			171257	11/19/14 17:50	CTD	TAL PLS
Total/NA	Analysis	6010B		1	171401	11/21/14 10:57	EFH	TAL PLS
Total/NA	Prep	3050B			171257	11/19/14 17:50	CTD	TAL PLS
Total/NA	Analysis	6010B		1	171449	11/21/14 20:35	SLK	TAL PLS
Total/NA	Prep	7471A			171267	11/19/14 20:40	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171391	11/21/14 09:52	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61295-4	SPD-4	Solid	11/17/14 08:19	11/17/14 16:35
720-61295-5	COMP D	Solid	11/17/14 08:16	11/17/14 16:35

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
phone 925.484.1919 fax

720-61295

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
157646
TestAmerica Laboratories, Inc.

11/24/2014

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

Client Contact	Project Manager: Peter Sims	Site Contact:	Date: 11/17/14	COC No:
Ninyo & Moore	Tel/Fax: 510/343/3000	Lab Contact: Dimple Sharma	Carrier:	1 of 1 COCs
1956 Webster Street, Suite 400	Analysis Turnaround Time			Sampler:
Oakland, CA 94612	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
510-343-3000 Phone	TAT if different from Below ____			Walk-in Client:
510-343-3001 FAX	☐ 2 weeks			Lab Sampling:
Project Name: RCD/Ashland	☑ 1 week			
Site: Ashland	☐ 2 days			Job / SDG No.:
P O # 402090002	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	TPHd/mo EPA Method 8015B w/ si	Title 22 Metals EPA Method 6010/7	BTEX + Naphthalene + TPHg EPA	Sample Specific Notes:
SPD-1 } COMP D	11/17/14	0816	G	Soil	1						
SPD-2 } COMP D		0817	G		1						
SPD-3 } COMP D		0818	G		1						
SPD-4 } COMP D		0819	G		1					X	
COMP D			C					X	X		Composite B Create sample COMP D by combining discrete samples SPD-1 through SPD-4

720-61295 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other 1

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return to Client ☐ Disposal by Lab ☐ Archive for ____ Months

Special Instructions/QC Requirements & Comments:
4.3°C

Custody Seals Intact: ☐ Yes ☐ No | Custody Seal No : | Cooler Temp. (°C): Obs'd: ____ Corr'd: ____ Therm ID No.: ____

	Company:	Date/Time:		Company:	Date/Time:
Relinquished by: Peter Sims	Ninyo + Moore	11-17-14 1545	Received by:	TA	11/17/14 @ 1545
Relinquished by:	TA	11/17/14 @ 1635	Received by:	TA	11/17/14 1635
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.3, dated 12/05/2013

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61295-1

Login Number: 61295

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

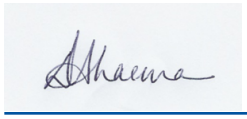
ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61295-2
Client Project/Site: RCD/Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims



Authorized for release by:
12/1/2014 5:06:38 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-61295-2

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61295-2

Comments
No additional comments.

Receipt
The samples were received on 11/17/2014 4:35 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3º C.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Client Sample ID: COMP D — Lab Sample ID: 720-61295-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	0.086		0.050		mg/L	1		6010B	TCLP
Lead	3.8		0.050		mg/L	1		6010B	STLC Citrate

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Client Sample ID: COMP D
Date Collected: 11/17/14 08:16
Date Received: 11/17/14 16:35

Lab Sample ID: 720-61295-5
Matrix: Solid

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.086		0.050		mg/L		11/26/14 11:55	11/28/14 11:12	1

Method: 6010B - Metals (ICP) - STLC Citrate

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	3.8		0.050		mg/L		11/28/14 11:55	12/01/14 11:56	1

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-171676/1-A
Matrix: Solid
Analysis Batch: 171755

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 171676

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		11/26/14 11:55	11/28/14 10:34	1

Lab Sample ID: LCS 720-171676/2-A
Matrix: Solid
Analysis Batch: 171755

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 171676

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	0.990		mg/L		99	80 - 120

Lab Sample ID: LCSD 720-171676/3-A
Matrix: Solid
Analysis Batch: 171755

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 171676

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.00	0.997		mg/L		100	80 - 120	1	20

Lab Sample ID: MB 720-171752/1-A
Matrix: Solid
Analysis Batch: 171795

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 171752

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.0050		mg/L		11/28/14 11:55	12/01/14 10:34	1

Lab Sample ID: LCS 720-171752/2-A
Matrix: Solid
Analysis Batch: 171795

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 171752

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1.00	0.991		mg/L		99	80 - 120

Lab Sample ID: LCSD 720-171752/3-A
Matrix: Solid
Analysis Batch: 171795

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 171752

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	1.00	0.992		mg/L		99	80 - 120	0	20

Lab Sample ID: LB 720-171618/1-B
Matrix: Solid
Analysis Batch: 171755

Client Sample ID: Method Blank
Prep Type: TCLP
Prep Batch: 171676

Analyte	LB Result	LB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		11/26/14 11:55	11/28/14 10:39	1

Lab Sample ID: LB4 720-171613/1-D
Matrix: Solid
Analysis Batch: 171795

Client Sample ID: Method Blank
Prep Type: STLC Citrate
Prep Batch: 171752

Analyte	LB4 Result	LB4 Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	ND		0.050		mg/L		11/28/14 11:55	12/01/14 10:39	1

Metals

Leach Batch: 171613

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	STLC Citrate	Solid	CA WET Citrate	
LB4 720-171613/1-D	Method Blank	STLC Citrate	Solid	CA WET Citrate	

Leach Batch: 171618

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	TCLP	Solid	1311	
LB 720-171618/1-B	Method Blank	TCLP	Solid	1311	

Prep Batch: 171676

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	TCLP	Solid	3010A	171618
LB 720-171618/1-B	Method Blank	TCLP	Solid	3010A	171618
LCS 720-171676/2-A	Lab Control Sample	Total/NA	Solid	3010A	
LCSD 720-171676/3-A	Lab Control Sample Dup	Total/NA	Solid	3010A	
MB 720-171676/1-A	Method Blank	Total/NA	Solid	3010A	

Prep Batch: 171752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	STLC Citrate	Solid	3005A	171613
LB4 720-171613/1-D	Method Blank	STLC Citrate	Solid	3005A	171613
LCS 720-171752/2-A	Lab Control Sample	Total Recoverable	Solid	3005A	
LCSD 720-171752/3-A	Lab Control Sample Dup	Total Recoverable	Solid	3005A	
MB 720-171752/1-A	Method Blank	Total Recoverable	Solid	3005A	

Analysis Batch: 171755

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	TCLP	Solid	6010B	171676
LB 720-171618/1-B	Method Blank	TCLP	Solid	6010B	171676
LCS 720-171676/2-A	Lab Control Sample	Total/NA	Solid	6010B	171676
LCSD 720-171676/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	171676
MB 720-171676/1-A	Method Blank	Total/NA	Solid	6010B	171676

Analysis Batch: 171795

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61295-5	COMP D	STLC Citrate	Solid	6010B	171752
LB4 720-171613/1-D	Method Blank	STLC Citrate	Solid	6010B	171752
LCS 720-171752/2-A	Lab Control Sample	Total Recoverable	Solid	6010B	171752
LCSD 720-171752/3-A	Lab Control Sample Dup	Total Recoverable	Solid	6010B	171752
MB 720-171752/1-A	Method Blank	Total Recoverable	Solid	6010B	171752

Lab Chronicle

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Client Sample ID: COMP D
Date Collected: 11/17/14 08:16
Date Received: 11/17/14 16:35

Lab Sample ID: 720-61295-5
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
STLC Citrate	Leach	CA WET Citrate			171613	11/26/14 08:15	ASB	TAL PLS
STLC Citrate	Prep	3005A			171752	11/28/14 11:55	ASB	TAL PLS
STLC Citrate	Analysis	6010B		1	171795	12/01/14 11:56	EFH	TAL PLS
TCLP	Leach	1311			171618	11/25/14 18:37	ASB	TAL PLS
TCLP	Prep	3010A			171676	11/26/14 11:55	ASB	TAL PLS
TCLP	Analysis	6010B		1	171755	11/28/14 11:12	EFH	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Method	Method Description	Protocol	Laboratory
6010B	Metals (ICP)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: RCD/Ashland

TestAmerica Job ID: 720-61295-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61295-5	COMP D	Solid	11/17/14 08:16	11/17/14 16:35

720-61295-2

Sharma, Dimple

From: Peter Sims <psims@ninyoandmoore.com>
Sent: Tuesday, November 25, 2014 9:52 AM
To: Sharma, Dimple
Subject: RE: TestAmerica EDD and report files from 720-61295-1 RCD/Ashland

Hi Dimple,

Please analyze sample COMP D for STLC lead and TCLP lead on shortest TAT possible and let me know when results will be available.

Thanks,

RUSH

Peter D. Sims, LEED AP
Project Environmental Geologist
Ninyo & Moore
Geotechnical & Environmental Sciences Consultants
1956 Webster Street, Suite 400
Oakland, California 94612
(510) 343-3000 x15216 (Office)
(510) 327-9335 (Cell Phone)
(510) 343-3001 (Fax)
psims@ninyoandmoore.com

San Jose office
2149 O'Toole Avenue, Suite 30
San Jose, CA 95131
(408) 435-9000
(408) 435-9006 (Fax)

720-61295 Chain of Custody

Experience · Quality · Commitment

From: Sharma, Dimple [mailto:dimple.sharma@testamericainc.com]
Sent: Monday, November 24, 2014 3:21 PM
To: Peter Sims
Subject: TestAmerica EDD and report files from 720-61295-1 RCD/Ashland

Hello,

Attached please find the EDD and report files for job 720-61295-1; RCD/Ashland

Please feel free to contact me if you have any questions.

Thank you.

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

DIMPLE SHARMA
Senior Project Manager

TestAmerica Pleasanton
THE LEADER IN ENVIRONMENTAL TESTING

Tel: 925.484.1919
www.testamericainc.com

Reference: [172777]
Attachments: 3

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61295-2

Login Number: 61295

List Source: TestAmerica Pleasanton

List Number: 1

Creator: Gonzales, Justinn

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-61192-1
Client Project/Site: Ashland

For:
Ninyo & Moore
1956 Webster Street
Suite 400
Oakland, California 94612

Attn: Mr. Peter D. Sims

Authorized for release by:
11/17/2014 5:26:03 PM
Afsaneh Salimpour, Senior Project Manager
afsaneh.salimpour@testamericainc.com

Designee for

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	ISTD response or retention time outside acceptable limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-61192-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-61192-1

Comments
No additional comments.

Receipt
The samples were received on 11/12/2014 5:00 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 6.5º C.

GC/MS VOA
Method(s) 8260B: Internal standard (ISTD) response for the following samples was outside control limits: DS3-3.0 (720-61192-13). The samples were re-analyzed with concurring results, and the second set of data has been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
Method(s) 6010B: The following sample(s) was diluted due to the abundance of non-target analyte Fe: COMP D-0.5 (720-61192-5), COMP D-3.0 (720-61192-15), COMP E-0.5 (720-61192-25). Elevated reporting limits (RLs) are provided.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS1-0.5 — Lab Sample ID: 720-61192-1

No Detections.

Client Sample ID: COMP D-0.5 — Lab Sample ID: 720-61192-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	19		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Motor Oil Range Organics [C24-C36]	90		49		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.0		3.6		mg/Kg	4		6010B	Total/NA
Barium	140		1.8		mg/Kg	4		6010B	Total/NA
Beryllium	0.50		0.36		mg/Kg	4		6010B	Total/NA
Chromium	31		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	9.9		0.72		mg/Kg	4		6010B	Total/NA
Copper	23		5.4		mg/Kg	4		6010B	Total/NA
Lead	17		1.8		mg/Kg	4		6010B	Total/NA
Nickel	35		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	37		1.8		mg/Kg	4		6010B	Total/NA
Zinc	68		5.4		mg/Kg	4		6010B	Total/NA
Mercury	0.064		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS2-1.5 — Lab Sample ID: 720-61192-7

No Detections.

Client Sample ID: COMP D-1.5 — Lab Sample ID: 720-61192-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.4		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.8		0.92		mg/Kg	1		6010B	Total/NA
Barium	130		0.46		mg/Kg	1		6010B	Total/NA
Beryllium	0.34		0.092		mg/Kg	1		6010B	Total/NA
Cadmium	0.26		0.11		mg/Kg	1		6010B	Total/NA
Chromium	31		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	7.8		0.18		mg/Kg	1		6010B	Total/NA
Copper	20		1.4		mg/Kg	1		6010B	Total/NA
Lead	13		0.46		mg/Kg	1		6010B	Total/NA
Nickel	35		0.46		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.46		mg/Kg	1		6010B	Total/NA
Zinc	54		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.059		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS3-3.0 — Lab Sample ID: 720-61192-13

No Detections.

Client Sample ID: COMP D-3.0 — Lab Sample ID: 720-61192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	6.0		3.4		mg/Kg	4		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: COMP D-3.0 (Continued) — Lab Sample ID: 720-61192-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	170		1.7		mg/Kg	4		6010B	Total/NA
Beryllium	0.61		0.34		mg/Kg	4		6010B	Total/NA
Chromium	44		1.7		mg/Kg	4		6010B	Total/NA
Cobalt	10		0.69		mg/Kg	4		6010B	Total/NA
Copper	21		5.2		mg/Kg	4		6010B	Total/NA
Lead	6.8		1.7		mg/Kg	4		6010B	Total/NA
Nickel	49		1.7		mg/Kg	4		6010B	Total/NA
Vanadium	33		1.7		mg/Kg	4		6010B	Total/NA
Zinc	67		5.2		mg/Kg	4		6010B	Total/NA
Mercury	0.038		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS4-5.0 — Lab Sample ID: 720-61192-19

No Detections.

Client Sample ID: COMP D-5.0 — Lab Sample ID: 720-61192-20

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		0.94		mg/Kg	1		6010B	Total/NA
Barium	130		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.32		0.094		mg/Kg	1		6010B	Total/NA
Cadmium	0.16		0.12		mg/Kg	1		6010B	Total/NA
Chromium	30		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	7.2		0.19		mg/Kg	1		6010B	Total/NA
Copper	15		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.1		0.47		mg/Kg	1		6010B	Total/NA
Nickel	34		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	25		0.47		mg/Kg	1		6010B	Total/NA
Zinc	33		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.031		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS5-0.5 — Lab Sample ID: 720-61192-21

No Detections.

Client Sample ID: COMP E-0.5 — Lab Sample ID: 720-61192-25

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	7.3		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	4.6		3.5		mg/Kg	4		6010B	Total/NA
Barium	110		1.8		mg/Kg	4		6010B	Total/NA
Chromium	37		1.8		mg/Kg	4		6010B	Total/NA
Cobalt	11		0.70		mg/Kg	4		6010B	Total/NA
Copper	25		5.3		mg/Kg	4		6010B	Total/NA
Lead	34		1.8		mg/Kg	4		6010B	Total/NA
Nickel	37		1.8		mg/Kg	4		6010B	Total/NA
Vanadium	34		1.8		mg/Kg	4		6010B	Total/NA
Zinc	70		5.3		mg/Kg	4		6010B	Total/NA
Mercury	0.087		0.0095		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS6-1.5 — Lab Sample ID: 720-61192-27

No Detections.

Client Sample ID: COMP E-1.5 — Lab Sample ID: 720-61192-30

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.5		0.93		mg/Kg	1		6010B	Total/NA
Barium	130		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.37		0.093		mg/Kg	1		6010B	Total/NA
Cadmium	0.25		0.12		mg/Kg	1		6010B	Total/NA
Chromium	32		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	8.4		0.19		mg/Kg	1		6010B	Total/NA
Copper	17		1.4		mg/Kg	1		6010B	Total/NA
Lead	5.4		0.47		mg/Kg	1		6010B	Total/NA
Nickel	35		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	24		0.47		mg/Kg	1		6010B	Total/NA
Zinc	38		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.030		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS7-3.0 — Lab Sample ID: 720-61192-33

No Detections.

Client Sample ID: COMP E-3.0 — Lab Sample ID: 720-61192-35

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.3		0.83		mg/Kg	1		6010B	Total/NA
Barium	120		0.42		mg/Kg	1		6010B	Total/NA
Beryllium	0.27		0.083		mg/Kg	1		6010B	Total/NA
Cadmium	0.16		0.10		mg/Kg	1		6010B	Total/NA
Chromium	30		0.42		mg/Kg	1		6010B	Total/NA
Cobalt	7.1		0.17		mg/Kg	1		6010B	Total/NA
Copper	14		1.3		mg/Kg	1		6010B	Total/NA
Lead	3.6		0.42		mg/Kg	1		6010B	Total/NA
Nickel	34		0.42		mg/Kg	1		6010B	Total/NA
Vanadium	23		0.42		mg/Kg	1		6010B	Total/NA
Zinc	31		1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.027		0.0086		mg/Kg	1		7471A	Total/NA

Client Sample ID: DS8-5.0 — Lab Sample ID: 720-61192-39

No Detections.

Client Sample ID: COMP E-5.0 — Lab Sample ID: 720-61192-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	4.5		0.96		mg/Kg	1		6010B	Total/NA
Barium	100		0.48		mg/Kg	1		6010B	Total/NA
Beryllium	0.25		0.096		mg/Kg	1		6010B	Total/NA
Cadmium	0.16		0.12		mg/Kg	1		6010B	Total/NA
Chromium	25		0.48		mg/Kg	1		6010B	Total/NA
Cobalt	6.9		0.19		mg/Kg	1		6010B	Total/NA
Copper	12		1.4		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: COMP E-5.0 (Continued)

Lab Sample ID: 720-61192-40

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Lead	3.4		0.48		mg/Kg	1		6010B	Total/NA
Nickel	28		0.48		mg/Kg	1		6010B	Total/NA
Vanadium	23		0.48		mg/Kg	1		6010B	Total/NA
Zinc	28		1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.021		0.0094		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS1-0.5
Date Collected: 11/12/14 14:46
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-1
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 02:23	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 02:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*45 - 131*	*11/12/14 21:06*	*11/13/14 02:23*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*	*11/12/14 21:06*	*11/13/14 02:23*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*11/12/14 21:06*	*11/13/14 02:23*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-0.5
Date Collected: 11/12/14 09:23
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	19		0.99		mg/Kg		11/13/14 08:39	11/14/14 14:54	1
Motor Oil Range Organics [C24-C36]	90		49		mg/Kg		11/13/14 08:39	11/14/14 14:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*11/13/14 08:39*	*11/14/14 14:54*	*1*
p-Terphenyl	*64*		*38 - 148*	*11/13/14 08:39*	*11/14/14 14:54*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Arsenic	6.0		3.6		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Barium	140		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Beryllium	0.50		0.36		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Cadmium	ND		0.45		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Chromium	31		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Cobalt	9.9		0.72		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Copper	23		5.4		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Lead	17		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Molybdenum	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Nickel	35		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Selenium	ND		3.6		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Silver	ND		0.90		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Thallium	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Vanadium	37		1.8		mg/Kg		11/13/14 16:48	11/14/14 19:55	4
Zinc	68		5.4		mg/Kg		11/13/14 16:48	11/14/14 19:55	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.064		0.0098		mg/Kg		11/13/14 18:58	11/17/14 14:50	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS2-1.5
Date Collected: 11/12/14 14:20
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-7
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Ethylbenzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Toluene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Xylenes, Total	ND		9.5		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		11/12/14 21:06	11/13/14 02:52	1
Naphthalene	ND		9.5		ug/Kg		11/12/14 21:06	11/13/14 02:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*45 - 131*	*11/12/14 21:06*	*11/13/14 02:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*	*11/12/14 21:06*	*11/13/14 02:52*	*1*
Toluene-d8 (Surr)	*88*		*58 - 140*	*11/12/14 21:06*	*11/13/14 02:52*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-1.5
Date Collected: 11/12/14 09:28
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-10
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4.4**		1.0		mg/Kg		11/13/14 08:39	11/14/14 14:11	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 14:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*11/13/14 08:39*	*11/14/14 14:11*	*1*
p-Terphenyl	*99*		*38 - 148*	*11/13/14 08:39*	*11/14/14 14:11*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Arsenic	**4.8**		0.92		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Barium	**130**		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Beryllium	**0.34**		0.092		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Cadmium	**0.26**		0.11		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Chromium	**31**		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Cobalt	**7.8**		0.18		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Copper	**20**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Lead	**13**		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Molybdenum	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Nickel	**35**		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Selenium	ND		0.92		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Silver	ND		0.23		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Thallium	ND		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Vanadium	**24**		0.46		mg/Kg		11/13/14 16:48	11/14/14 22:18	1
Zinc	**54**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:18	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.059**		0.0092		mg/Kg		11/13/14 18:58	11/17/14 14:53	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS3-3.0
Date Collected: 11/12/14 13:54
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-13
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Ethylbenzene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Toluene	ND		4.7		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Xylenes, Total	ND		9.3		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/13/14 10:00	11/13/14 16:44	1
Naphthalene	ND	*	9.3		ug/Kg		11/13/14 10:00	11/13/14 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*66*		*45 - 131*	*11/13/14 10:00*	*11/13/14 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*	*11/13/14 10:00*	*11/13/14 16:44*	*1*
Toluene-d8 (Surr)	*86*		*58 - 140*	*11/13/14 10:00*	*11/13/14 16:44*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-3.0
Date Collected: 11/12/14 09:35
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-15
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.3**		1.0		mg/Kg		11/13/14 08:39	11/14/14 12:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 1*	*11/13/14 08:39*	*11/14/14 12:07*	*1*
p-Terphenyl	*87*		*38 - 148*	*11/13/14 08:39*	*11/14/14 12:07*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Arsenic	**6.0**		3.4		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Barium	**170**		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Beryllium	**0.61**		0.34		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Cadmium	ND		0.43		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Chromium	**44**		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Cobalt	**10**		0.69		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Copper	**21**		5.2		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Lead	**6.8**		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Molybdenum	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Nickel	**49**		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Selenium	ND		3.4		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Silver	ND		0.86		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Thallium	ND		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Vanadium	**33**		1.7		mg/Kg		11/13/14 16:48	11/14/14 20:05	4
Zinc	**67**		5.2		mg/Kg		11/13/14 16:48	11/14/14 20:05	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**		0.0083		mg/Kg		11/13/14 18:58	11/17/14 14:55	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS4-5.0
Date Collected: 11/12/14 09:44
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-19
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Ethylbenzene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Toluene	ND		4.7		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Xylenes, Total	ND		9.4		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		11/12/14 21:06	11/13/14 03:48	1
Naphthalene	ND		9.4		ug/Kg		11/12/14 21:06	11/13/14 03:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*45 - 131*	*11/12/14 21:06*	*11/13/14 03:48*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*	*11/12/14 21:06*	*11/13/14 03:48*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*11/12/14 21:06*	*11/13/14 03:48*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP D-5.0
Date Collected: 11/12/14 09:44
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-20
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		11/13/14 08:39	11/14/14 12:32	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*11/13/14 08:39*	*11/14/14 12:32*	*1*
p-Terphenyl	*104*		*38 - 148*	*11/13/14 08:39*	*11/14/14 12:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Arsenic	**4.3**		0.94		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Barium	**130**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Beryllium	**0.32**		0.094		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Cadmium	**0.16**		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Chromium	**30**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Cobalt	**7.2**		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Copper	**15**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Lead	**4.1**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Molybdenum	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Nickel	**34**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Selenium	ND		0.94		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Silver	ND		0.24		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Thallium	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Vanadium	**25**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:23	1
Zinc	**33**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:23	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.031**		0.0095		mg/Kg		11/13/14 18:58	11/17/14 14:58	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS5-0.5
Date Collected: 11/12/14 13:14
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-21
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Ethylbenzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Toluene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Xylenes, Total	ND		9.8		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 04:17	1
Naphthalene	ND		9.8		ug/Kg		11/12/14 21:06	11/13/14 04:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*83*		*45 - 131*	*11/12/14 21:06*	*11/13/14 04:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*11/12/14 21:06*	*11/13/14 04:17*	*1*
Toluene-d8 (Surr)	*88*		*58 - 140*	*11/12/14 21:06*	*11/13/14 04:17*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-0.5
Date Collected: 11/12/14 10:25
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-25
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**7.3**		0.99		mg/Kg		11/13/14 08:39	11/14/14 14:35	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*11/13/14 08:39*	*11/14/14 14:35*	*1*
p-Terphenyl	*96*		*38 - 148*	*11/13/14 08:39*	*11/14/14 14:35*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Arsenic	**4.6**		3.5		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Barium	**110**		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Beryllium	ND		0.35		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Cadmium	ND		0.44		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Chromium	**37**		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Cobalt	**11**		0.70		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Copper	**25**		5.3		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Lead	**34**		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Molybdenum	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Nickel	**37**		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Selenium	ND		3.5		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Silver	ND		0.88		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Thallium	ND		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Vanadium	**34**		1.8		mg/Kg		11/13/14 16:48	11/14/14 20:14	4
Zinc	**70**		5.3		mg/Kg		11/13/14 16:48	11/14/14 20:14	4

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**		0.0095		mg/Kg		11/13/14 18:58	11/17/14 15:00	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS6-1.5
Date Collected: 11/12/14 12:59
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-27
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Ethylbenzene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Toluene	ND		4.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 04:45	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 04:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*85*		*45 - 131*	*11/12/14 21:06*	*11/13/14 04:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*60 - 140*	*11/12/14 21:06*	*11/13/14 04:45*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*11/12/14 21:06*	*11/13/14 04:45*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-1.5
Date Collected: 11/12/14 10:47
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-30
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		11/13/14 08:39	11/14/14 12:56	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*11/13/14 08:39*	*11/14/14 12:56*	*1*
p-Terphenyl	*93*		*38 - 148*	*11/13/14 08:39*	*11/14/14 12:56*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Arsenic	**4.5**		0.93		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Barium	**130**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Beryllium	**0.37**		0.093		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Cadmium	**0.25**		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Chromium	**32**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Cobalt	**8.4**		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Copper	**17**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Lead	**5.4**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Molybdenum	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Nickel	**35**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Selenium	ND		0.93		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Silver	ND		0.23		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Thallium	ND		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Vanadium	**24**		0.47		mg/Kg		11/13/14 16:48	11/14/14 22:28	1
Zinc	**38**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.030**		0.0088		mg/Kg		11/13/14 18:58	11/17/14 15:07	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS7-3.0
Date Collected: 11/12/14 10:51
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-33
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 05:13	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*45 - 131*	*11/12/14 21:06*	*11/13/14 05:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*60 - 140*	*11/12/14 21:06*	*11/13/14 05:13*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*	*11/12/14 21:06*	*11/13/14 05:13*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-3.0
Date Collected: 11/12/14 10:51
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-35
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 13:20	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.001*		*0 - 1*	*11/13/14 08:39*	*11/14/14 13:20*	*1*
p-Terphenyl	*105*		*38 - 148*	*11/13/14 08:39*	*11/14/14 13:20*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Arsenic	**4.3**		0.83		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Barium	**120**		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Beryllium	**0.27**		0.083		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Cadmium	**0.16**		0.10		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Chromium	**30**		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Cobalt	**7.1**		0.17		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Copper	**14**		1.3		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Lead	**3.6**		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Molybdenum	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Nickel	**34**		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Selenium	ND		0.83		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Silver	ND		0.21		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Thallium	ND		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Vanadium	**23**		0.42		mg/Kg		11/13/14 16:48	11/14/14 22:32	1
Zinc	**31**		1.3		mg/Kg		11/13/14 16:48	11/14/14 22:32	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.027**		0.0086		mg/Kg		11/13/14 18:58	11/17/14 15:10	1

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS8-5.0
Date Collected: 11/12/14 11:34
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-39
Matrix: Solid

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Ethylbenzene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Toluene	ND		5.0		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Xylenes, Total	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		11/12/14 21:06	11/13/14 05:41	1
Naphthalene	ND		9.9		ug/Kg		11/12/14 21:06	11/13/14 05:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*45 - 131*	*11/12/14 21:06*	*11/13/14 05:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*	*11/12/14 21:06*	*11/13/14 05:41*	*1*
Toluene-d8 (Surr)	*89*		*58 - 140*	*11/12/14 21:06*	*11/13/14 05:41*	*1*

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: COMP E-5.0
Date Collected: 11/12/14 10:56
Date Received: 11/12/14 17:00

Lab Sample ID: 720-61192-40
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 13:47	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 13:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*11/13/14 08:39*	*11/14/14 13:47*	*1*
p-Terphenyl	*100*		*38 - 148*	*11/13/14 08:39*	*11/14/14 13:47*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Arsenic	**4.5**		0.96		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Barium	**100**		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Beryllium	**0.25**		0.096		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Cadmium	**0.16**		0.12		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Chromium	**25**		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Cobalt	**6.9**		0.19		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Copper	**12**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Lead	**3.4**		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Molybdenum	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Nickel	**28**		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Selenium	ND		0.96		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Silver	ND		0.24		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Thallium	ND		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Vanadium	**23**		0.48		mg/Kg		11/13/14 16:48	11/14/14 22:37	1
Zinc	**28**		1.4		mg/Kg		11/13/14 16:48	11/14/14 22:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**		0.0094		mg/Kg		11/13/14 18:58	11/17/14 15:12	1

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS

Lab Sample ID: MB 720-170782/5
Matrix: Solid
Analysis Batch: 170782

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/12/14 19:17	1
Ethylbenzene	ND		5.0		ug/Kg			11/12/14 19:17	1
Toluene	ND		5.0		ug/Kg			11/12/14 19:17	1
Xylenes, Total	ND		10		ug/Kg			11/12/14 19:17	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/12/14 19:17	1
Naphthalene	ND		10		ug/Kg			11/12/14 19:17	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*45 - 131*		*11/12/14 19:17*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*		*11/12/14 19:17*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*		*11/12/14 19:17*	*1*

Lab Sample ID: LCS 720-170782/6
Matrix: Solid
Analysis Batch: 170782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.2		ug/Kg		94	70 - 130
Ethylbenzene	50.0	46.4		ug/Kg		93	80 - 137
Toluene	50.0	45.8		ug/Kg		92	80 - 128
m-Xylene & p-Xylene	50.0	46.4		ug/Kg		93	70 - 146
o-Xylene	50.0	46.5		ug/Kg		93	70 - 140
Naphthalene	50.0	51.4		ug/Kg		103	60 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*100*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCS 720-170782/8
Matrix: Solid
Analysis Batch: 170782

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	1030		ug/Kg		103	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170782/7
Matrix: Solid
Analysis Batch: 170782

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			50.0	47.8		ug/Kg		96	70 - 130	1	20
Ethylbenzene			50.0	46.8		ug/Kg		94	80 - 137	1	20
Toluene			50.0	46.5		ug/Kg		93	80 - 128	1	20
m-Xylene & p-Xylene			50.0	46.7		ug/Kg		93	70 - 146	0	20
o-Xylene			50.0	46.9		ug/Kg		94	70 - 140	1	20
Naphthalene			50.0	56.0		ug/Kg		112	60 - 147	9	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*99*		*60 - 140*
Toluene-d8 (Surr)	*95*		*58 - 140*

Lab Sample ID: LCSD 720-170782/9
Matrix: Solid
Analysis Batch: 170782

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1020		ug/Kg		102	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Lab Sample ID: MB 720-170815/4
Matrix: Solid
Analysis Batch: 170815

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	ND		5.0		ug/Kg			11/13/14 08:50	1
Ethylbenzene	ND		5.0		ug/Kg			11/13/14 08:50	1
Toluene	ND		5.0		ug/Kg			11/13/14 08:50	1
Xylenes, Total	ND		10		ug/Kg			11/13/14 08:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			11/13/14 08:50	1
Naphthalene	ND		10		ug/Kg			11/13/14 08:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*		*11/13/14 08:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*60 - 140*		*11/13/14 08:50*	*1*
Toluene-d8 (Surr)	*90*		*58 - 140*		*11/13/14 08:50*	*1*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCS 720-170815/5
Matrix: Solid
Analysis Batch: 170815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	50.0	47.8		ug/Kg		96	70 - 130
Ethylbenzene	50.0	44.8		ug/Kg		90	80 - 137
Toluene	50.0	43.8		ug/Kg		88	80 - 128
m-Xylene & p-Xylene	50.0	45.4		ug/Kg		91	70 - 146
o-Xylene	50.0	46.2		ug/Kg		92	70 - 140
Naphthalene	50.0	50.8		ug/Kg		102	60 - 147

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*92*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*81*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Lab Sample ID: LCS 720-170815/7
Matrix: Solid
Analysis Batch: 170815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	976		ug/Kg		98	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*87*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Lab Sample ID: LCSD 720-170815/6
Matrix: Solid
Analysis Batch: 170815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	50.0	48.2		ug/Kg		96	70 - 130	1	20
Ethylbenzene	50.0	45.0		ug/Kg		90	80 - 137	1	20
Toluene	50.0	44.9		ug/Kg		90	80 - 128	2	20
m-Xylene & p-Xylene	50.0	45.8		ug/Kg		92	70 - 146	1	20
o-Xylene	50.0	46.3		ug/Kg		93	70 - 140	0	20
Naphthalene	50.0	53.0		ug/Kg		106	60 - 147	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*77*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Method: 8260B/CA_LUFTMS - 8260B / CA LUFT MS (Continued)

Lab Sample ID: LCSD 720-170815/8
Matrix: Solid
Analysis Batch: 170815

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	942		ug/Kg		94	61 - 128	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*86*		*60 - 140*
Toluene-d8 (Surr)	*93*		*58 - 140*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-170832/1-A
Matrix: Solid
Analysis Batch: 170899

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 170832

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		11/13/14 08:39	11/14/14 12:07	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		11/13/14 08:39	11/14/14 12:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*11/13/14 08:39*	*11/14/14 12:07*	*1*
p-Terphenyl	*103*		*38 - 148*	*11/13/14 08:39*	*11/14/14 12:07*	*1*

Lab Sample ID: LCS 720-170832/2-A
Matrix: Solid
Analysis Batch: 170899

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 170832

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			82.0	60.0		mg/Kg		73	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*114*		*38 - 148*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-170877/1-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Arsenic	ND		1.0		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Barium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Beryllium	ND		0.10		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Cadmium	ND		0.13		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Chromium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Cobalt	ND		0.20		mg/Kg		11/13/14 16:48	11/14/14 18:39	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-170877/1-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 170877

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Copper	ND		1.5		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Lead	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Molybdenum	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Nickel	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Selenium	ND		1.0		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Silver	ND		0.25		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Thallium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Vanadium	ND		0.50		mg/Kg		11/13/14 16:48	11/14/14 18:39	1
Zinc	ND		1.5		mg/Kg		11/13/14 16:48	11/14/14 18:39	1

Lab Sample ID: LCS 720-170877/2-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 170877

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	46.0		mg/Kg		92	80 - 120
Arsenic	50.0	48.1		mg/Kg		96	80 - 120
Barium	50.0	50.6		mg/Kg		101	80 - 120
Beryllium	50.0	49.7		mg/Kg		99	80 - 120
Cadmium	50.0	50.6		mg/Kg		101	80 - 120
Chromium	50.0	50.7		mg/Kg		101	80 - 120
Cobalt	50.0	50.0		mg/Kg		100	80 - 120
Copper	50.0	49.1		mg/Kg		98	80 - 120
Lead	50.0	50.0		mg/Kg		100	80 - 120
Molybdenum	50.0	50.3		mg/Kg		101	80 - 120
Nickel	50.0	49.8		mg/Kg		100	80 - 120
Selenium	50.0	48.0		mg/Kg		96	80 - 120
Silver	25.0	24.1		mg/Kg		97	80 - 120
Thallium	50.0	49.8		mg/Kg		100	80 - 120
Vanadium	50.0	48.4		mg/Kg		97	80 - 120
Zinc	50.0	45.6		mg/Kg		91	80 - 120

Lab Sample ID: LCSD 720-170877/3-A
Matrix: Solid
Analysis Batch: 170971

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 170877

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	46.8		mg/Kg		94	80 - 120	2	20
Arsenic	50.0	48.4		mg/Kg		97	80 - 120	1	20
Barium	50.0	51.6		mg/Kg		103	80 - 120	2	20
Beryllium	50.0	50.4		mg/Kg		101	80 - 120	1	20
Cadmium	50.0	50.6		mg/Kg		101	80 - 120	0	20
Chromium	50.0	50.2		mg/Kg		100	80 - 120	1	20
Cobalt	50.0	50.0		mg/Kg		100	80 - 120	0	20
Copper	50.0	48.7		mg/Kg		97	80 - 120	1	20
Lead	50.0	49.7		mg/Kg		99	80 - 120	0	20
Molybdenum	50.0	50.3		mg/Kg		101	80 - 120	0	20
Nickel	50.0	49.6		mg/Kg		99	80 - 120	1	20
Selenium	50.0	47.9		mg/Kg		96	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-170877/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 170971 — **Prep Batch: 170877**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Silver			25.0	24.3		mg/Kg		97	80 - 120	1	20
Thallium			50.0	49.7		mg/Kg		99	80 - 120	0	20
Vanadium			50.0	48.1		mg/Kg		96	80 - 120	1	20
Zinc			50.0	45.5		mg/Kg		91	80 - 120	0	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-170885/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 171061 — **Prep Batch: 170885**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		11/13/14 18:58	11/17/14 14:38	1

Lab Sample ID: LCS 720-170885/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 171061 — **Prep Batch: 170885**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			0.833	0.828		mg/Kg		99	80 - 120		

Lab Sample ID: LCSD 720-170885/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 171061 — **Prep Batch: 170885**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury			0.833	0.785		mg/Kg		94	80 - 120	5	20

Lab Sample ID: 720-61192-5 MS — **Client Sample ID: COMP D-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 171061 — **Prep Batch: 170885**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.064		0.781	0.836		mg/Kg		99	75 - 125		

Lab Sample ID: 720-61192-5 MSD — **Client Sample ID: COMP D-0.5**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 171061 — **Prep Batch: 170885**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.064		0.806	0.871		mg/Kg		100	75 - 125	4	20

GC/MS VOA

Analysis Batch: 170782

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-1	DS1-0.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-7	DS2-1.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-19	DS4-5.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-21	DS5-0.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-27	DS6-1.5	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-33	DS7-3.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
720-61192-39	DS8-5.0	Total/NA	Solid	8260B/CA_LUFT MS	170804
LCS 720-170782/6	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170782/8	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170782/7	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170782/9	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170782/5	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170804

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-1	DS1-0.5	Total/NA	Solid	5030B	
720-61192-7	DS2-1.5	Total/NA	Solid	5030B	
720-61192-19	DS4-5.0	Total/NA	Solid	5030B	
720-61192-21	DS5-0.5	Total/NA	Solid	5030B	
720-61192-27	DS6-1.5	Total/NA	Solid	5030B	
720-61192-33	DS7-3.0	Total/NA	Solid	5030B	
720-61192-39	DS8-5.0	Total/NA	Solid	5030B	

Analysis Batch: 170815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-13	DS3-3.0	Total/NA	Solid	8260B/CA_LUFT MS	170843
LCS 720-170815/5	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCS 720-170815/7	Lab Control Sample	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170815/6	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
LCSD 720-170815/8	Lab Control Sample Dup	Total/NA	Solid	8260B/CA_LUFT MS	
MB 720-170815/4	Method Blank	Total/NA	Solid	8260B/CA_LUFT MS	

Prep Batch: 170843

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-13	DS3-3.0	Total/NA	Solid	5030B	

GC Semi VOA

Prep Batch: 170832

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Silica Gel Cleanup	Solid	3546	
720-61192-10	COMP D-1.5	Silica Gel Cleanup	Solid	3546	
720-61192-15	COMP D-3.0	Silica Gel Cleanup	Solid	3546	
720-61192-20	COMP D-5.0	Silica Gel Cleanup	Solid	3546	
720-61192-25	COMP E-0.5	Silica Gel Cleanup	Solid	3546	
720-61192-30	COMP E-1.5	Silica Gel Cleanup	Solid	3546	
720-61192-35	COMP E-3.0	Silica Gel Cleanup	Solid	3546	
720-61192-40	COMP E-5.0	Silica Gel Cleanup	Solid	3546	
LCS 720-170832/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
MB 720-170832/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 170899

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-170832/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	170832
MB 720-170832/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	170832

Analysis Batch: 170900

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-10	COMP D-1.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-15	COMP D-3.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-20	COMP D-5.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-25	COMP E-0.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-30	COMP E-1.5	Silica Gel Cleanup	Solid	8015B	170832
720-61192-35	COMP E-3.0	Silica Gel Cleanup	Solid	8015B	170832
720-61192-40	COMP E-5.0	Silica Gel Cleanup	Solid	8015B	170832

Analysis Batch: 170920

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Silica Gel Cleanup	Solid	8015B	170832

Metals

Prep Batch: 170877

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	3050B	
720-61192-10	COMP D-1.5	Total/NA	Solid	3050B	
720-61192-15	COMP D-3.0	Total/NA	Solid	3050B	
720-61192-20	COMP D-5.0	Total/NA	Solid	3050B	
720-61192-25	COMP E-0.5	Total/NA	Solid	3050B	
720-61192-30	COMP E-1.5	Total/NA	Solid	3050B	
720-61192-35	COMP E-3.0	Total/NA	Solid	3050B	
720-61192-40	COMP E-5.0	Total/NA	Solid	3050B	
LCS 720-170877/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-170877/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
MB 720-170877/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 170885

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	7471A	
720-61192-5 MS	COMP D-0.5	Total/NA	Solid	7471A	

Metals (Continued)

Prep Batch: 170885 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5 MSD	COMP D-0.5	Total/NA	Solid	7471A	
720-61192-10	COMP D-1.5	Total/NA	Solid	7471A	
720-61192-15	COMP D-3.0	Total/NA	Solid	7471A	
720-61192-20	COMP D-5.0	Total/NA	Solid	7471A	
720-61192-25	COMP E-0.5	Total/NA	Solid	7471A	
720-61192-30	COMP E-1.5	Total/NA	Solid	7471A	
720-61192-35	COMP E-3.0	Total/NA	Solid	7471A	
720-61192-40	COMP E-5.0	Total/NA	Solid	7471A	
LCS 720-170885/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-170885/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-170885/1-A	Method Blank	Total/NA	Solid	7471A	

Analysis Batch: 170971

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	6010B	170877
720-61192-15	COMP D-3.0	Total/NA	Solid	6010B	170877
720-61192-25	COMP E-0.5	Total/NA	Solid	6010B	170877
LCS 720-170877/2-A	Lab Control Sample	Total/NA	Solid	6010B	170877
LCSD 720-170877/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	170877
MB 720-170877/1-A	Method Blank	Total/NA	Solid	6010B	170877

Analysis Batch: 170994

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-10	COMP D-1.5	Total/NA	Solid	6010B	170877
720-61192-20	COMP D-5.0	Total/NA	Solid	6010B	170877
720-61192-30	COMP E-1.5	Total/NA	Solid	6010B	170877
720-61192-35	COMP E-3.0	Total/NA	Solid	6010B	170877
720-61192-40	COMP E-5.0	Total/NA	Solid	6010B	170877

Analysis Batch: 171061

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-61192-5	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-5 MS	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-5 MSD	COMP D-0.5	Total/NA	Solid	7471A	170885
720-61192-10	COMP D-1.5	Total/NA	Solid	7471A	170885
720-61192-15	COMP D-3.0	Total/NA	Solid	7471A	170885
720-61192-20	COMP D-5.0	Total/NA	Solid	7471A	170885
720-61192-25	COMP E-0.5	Total/NA	Solid	7471A	170885
720-61192-30	COMP E-1.5	Total/NA	Solid	7471A	170885
720-61192-35	COMP E-3.0	Total/NA	Solid	7471A	170885
720-61192-40	COMP E-5.0	Total/NA	Solid	7471A	170885
LCS 720-170885/2-A	Lab Control Sample	Total/NA	Solid	7471A	170885
LCSD 720-170885/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	170885
MB 720-170885/1-A	Method Blank	Total/NA	Solid	7471A	170885

Client Sample ID: DS1-0.5

Lab Sample ID: 720-61192-1

Date Collected: 11/12/14 14:46

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 02:23	ASC	TAL PLS

Client Sample ID: COMP D-0.5

Lab Sample ID: 720-61192-5

Date Collected: 11/12/14 09:23

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170920	11/14/14 14:54	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		4	170971	11/14/14 19:55	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:50	CAM	TAL PLS

Client Sample ID: DS2-1.5

Lab Sample ID: 720-61192-7

Date Collected: 11/12/14 14:20

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 02:52	ASC	TAL PLS

Client Sample ID: COMP D-1.5

Lab Sample ID: 720-61192-10

Date Collected: 11/12/14 09:28

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 14:11	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:18	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:53	CAM	TAL PLS

Client Sample ID: DS3-3.0

Lab Sample ID: 720-61192-13

Date Collected: 11/12/14 13:54

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170843	11/13/14 10:00	YYB	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170815	11/13/14 16:44	PDR	TAL PLS

Client Sample ID: COMP D-3.0

Lab Sample ID: 720-61192-15

Date Collected: 11/12/14 09:35

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:07	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		4	170971	11/14/14 20:05	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:55	CAM	TAL PLS

Client Sample ID: DS4-5.0

Lab Sample ID: 720-61192-19

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 03:48	ASC	TAL PLS

Client Sample ID: COMP D-5.0

Lab Sample ID: 720-61192-20

Date Collected: 11/12/14 09:44

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:32	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:23	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 14:58	CAM	TAL PLS

Client Sample ID: DS5-0.5

Lab Sample ID: 720-61192-21

Date Collected: 11/12/14 13:14

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 04:17	ASC	TAL PLS

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Date Collected: 11/12/14 10:25

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 14:35	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS

Client Sample ID: COMP E-0.5

Lab Sample ID: 720-61192-25

Date Collected: 11/12/14 10:25

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	6010B		4	170971	11/14/14 20:14	SLK	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:00	CAM	TAL PLS

Client Sample ID: DS6-1.5

Lab Sample ID: 720-61192-27

Date Collected: 11/12/14 12:59

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 04:45	ASC	TAL PLS

Client Sample ID: COMP E-1.5

Lab Sample ID: 720-61192-30

Date Collected: 11/12/14 10:47

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 12:56	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:28	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:07	CAM	TAL PLS

Client Sample ID: DS7-3.0

Lab Sample ID: 720-61192-33

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 05:13	ASC	TAL PLS

Client Sample ID: COMP E-3.0

Lab Sample ID: 720-61192-35

Date Collected: 11/12/14 10:51

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 13:20	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:32	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:10	CAM	TAL PLS

Lab Chronicle

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Client Sample ID: DS8-5.0

Lab Sample ID: 720-61192-39

Date Collected: 11/12/14 11:34

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			170804	11/12/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B/CA_LUFTMS		1	170782	11/13/14 05:41	ASC	TAL PLS

Client Sample ID: COMP E-5.0

Lab Sample ID: 720-61192-40

Date Collected: 11/12/14 10:56

Matrix: Solid

Date Received: 11/12/14 17:00

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Silica Gel Cleanup	Prep	3546			170832	11/13/14 08:39	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	170900	11/14/14 13:47	JXL	TAL PLS
Total/NA	Prep	3050B			170877	11/13/14 16:48	ASB	TAL PLS
Total/NA	Analysis	6010B		1	170994	11/14/14 22:37	EFH	TAL PLS
Total/NA	Prep	7471A			170885	11/13/14 18:58	CAM	TAL PLS
Total/NA	Analysis	7471A		1	171061	11/17/14 15:12	CAM	TAL PLS

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

Analysis Method	Prep Method	Matrix	Analyte

Method Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Method	Method Description	Protocol	Laboratory
8260B/CA_LUFTMS	8260B / CA LUFT MS	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Ninyo & Moore
Project/Site: Ashland

TestAmerica Job ID: 720-61192-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-61192-1	DS1-0.5	Solid	11/12/14 14:46	11/12/14 17:00
720-61192-5	COMP D-0.5	Solid	11/12/14 09:23	11/12/14 17:00
720-61192-7	DS2-1.5	Solid	11/12/14 14:20	11/12/14 17:00
720-61192-10	COMP D-1.5	Solid	11/12/14 09:28	11/12/14 17:00
720-61192-13	DS3-3.0	Solid	11/12/14 13:54	11/12/14 17:00
720-61192-15	COMP D-3.0	Solid	11/12/14 09:35	11/12/14 17:00
720-61192-19	DS4-5.0	Solid	11/12/14 09:44	11/12/14 17:00
720-61192-20	COMP D-5.0	Solid	11/12/14 09:44	11/12/14 17:00
720-61192-21	DS5-0.5	Solid	11/12/14 13:14	11/12/14 17:00
720-61192-25	COMP E-0.5	Solid	11/12/14 10:25	11/12/14 17:00
720-61192-27	DS6-1.5	Solid	11/12/14 12:59	11/12/14 17:00
720-61192-30	COMP E-1.5	Solid	11/12/14 10:47	11/12/14 17:00
720-61192-33	DS7-3.0	Solid	11/12/14 10:51	11/12/14 17:00
720-61192-35	COMP E-3.0	Solid	11/12/14 10:51	11/12/14 17:00
720-61192-39	DS8-5.0	Solid	11/12/14 11:34	11/12/14 17:00
720-61192-40	COMP E-5.0	Solid	11/12/14 10:56	11/12/14 17:00

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone (925) 484-1919 Fax (925) 600-3002

Reference #: 157541

720-61192

Date 11/12/14 Page 1 of 4

1/17/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: Same
Sampled By: M. Terni
Attn:
Phone: 510.343.3000

Analysis Request

Sample ID	Date	Time	Matrix	Preserv
DS1-0.5	11/12/14	1446	Soil	ice
DS2-0.5 COMPD-0.5		1415		
DS3-0.5		1341		
DS4-0.5		0923		
DS1-1.5		1505		
DS2-1.5 COMPD-1.5		1420		
DS3-1.5		1351		
DS4-1.5		0928		

Volatile Organics GC/MS (VOCs) ☐ EPA 8260B
HVOCs by ☐ EPA 8260B
EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol + methylene
TEPH EPA 8015 ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other
SemiVolatile Organics GC/MS ☐ EPA-8270C
PNA/PAH's by ☐ 8270C ☐ 8270C SIM
Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total
Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082
CAM17 Metals (EPA 6010/7470/7471)
Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:
Metals: ☐ 6020 ☐ 200.8 (ICP-MS):
☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP
Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199
pH ☐ 9040 ☐ SM4500
☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS
Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4
☐ Perchlorate by EPA 314.0
COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity

Analyze composite samples for TPH diesel, motor oil w/SGC and Title 22 Metals

Analyze individual samples as indicated for TPHgas & BTEX

Page 41 of 45

Project Info.

Project Name/ #: Ashland 402 090 002
PO#:
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers:
Head Space:
Temp: 6.5 °c

TAT: 10 Day | 5 Day | 4 Day | (3 Day) | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID

See Terms and Conditions on reverse

1) Relinquished by: Melissa Terni — Time: 1523
Signature
Printed Name: M Terni — Date: 11/12/14
Company: Ninyo & Moore

1) Received by: [signature] — Time: 15:23
Signature
Printed Name: REYFERNO — Date: 11-12
Company

2) Relinquished by: [signature] — Time: 5:00 / 1523
Signature
Printed Name: REYFERNO — Date: 11-12-14
Company

2) Received by: [signature] — Time: 1500
Signature
Printed Name: J Gonzals — Date: 11/12/14
Company: TEAP

3) Relinquished by:
Signature — Time
Printed Name — Date
Company

RUSH

3) Received by:
Signature — Time
Date

720-61192 Chain of Custody

Rev.10/20

Reference #:

TestAmerica — THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

720-61192

Date 11/12/14 Page 2 of 4

11/17/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: Same
Sampled By: M. Terry
Attn:
Phone: 510.343.3000

Analysis Request

Volatile Organics GC/MS (VOCs) ☐ EPA 8260B | HVOCs by ☐ EPA 8260B | EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol + naphthalene | TEPH EPA 8015B ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other | SemiVolatile Organics GC/MS ☐ EPA 8270C | PNA/PAH's by ☐ 8270C ☐ 8270C SIM | Oil and Grease ☐ Petroleum (EPA 1664/9071) ☐ Total | Pesticides ☐ EPA 8081 PCBs ☐ EPA 8082 | CAM17 Metals (EPA 6010/7470/7471) | Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other: | Metals: ☐ 6020 ☐ 200.8 (ICP-MS): | ☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP | Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199 | pH ☐ 9040 ☐ SM4500 | ☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS | Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4 | ☐ Perchlorate by EPA 314.0 | COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity

Sample ID	Composite	Date	Time	Mat rix	Preserv	EPA 8260B Gas/BTEX + naphthalene	TEPH EPA 8015B	CAM17 Metals
DS1-3.0	COMP D-3.0	11/12/14	1510	Soil	ice		X	X
DS2-3.0	COMP D-3.0	↓	1428	↓	↓	X	X	X
DS3-3.0	COMP D-3.0	↓	1354	↓	↓		X	X
DS4-3.0	COMP D-3.0	↓	0935	↓	↓		X	X
DS1-5.0	COMP D-5.0	↓	1520	↓	↓		X	X
DS2-5.0	COMP D-5.0	↓	1451	↓	↓		X	X
DS3-5.0	COMP D-5.0	↓	1359	↓	↓		X	X
DS4-5.0	COMP D-5.0	↓	0944	↓	↓	X	X	X

Project Info.

Project Name/ #: Ashland 402 090 002
PO#:
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt

of Containers:
Head Space:
Temp:

TAT: 10 Day | 5 Day | 4 Day | (3 Day) | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF ☐ Global ID
Special Instructions / Comments:

See Terms and Conditions on reverse

1) Relinquished by:	2) Relinquished by:	3) Relinquished by:
Signature: Melissa Terry — Time: 1523	Signature: [signature] — Time: ~~1523~~ 5:00	Signature — Time
Printed Name: M Terry — Date: 11/12/14	Printed Name: REY FERMO — Date: 11-12-14	Printed Name — Date
Company: Ninyo & Moore	Company	Company

1) Received by:	2) Received by:	3) Received by:
Signature: [signature] — Time: 15:23	Signature: [signature] — Time: 1700	Signature — Time
Printed Name: REY FERMO — Date: 11-12	Printed Name: J Gonzalez — Date: 11/12/14	Printed Name — Date
Company	Company: TAP	Company

Rev.10/2

Reference #: _____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody
1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

T20-61192

Date 11/12/14 Page 3 of 4

11/17/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: same
Sampled By: M. Terni
Phone: 510.343.3000
Attn:

Analysis Request

Sample ID	Date	Time	Matrix	Preserv	Volatile Organics GC/MS (VOCs) ☐ EPA 8260B	HVOCs by ☐ EPA 8260B	EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol	TEPH EPA 8015 ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other: + naphthalene	SemiVolatile Organics GC/MS ☐ EPA-8270C	PNA/PAH's by ☐ 8270C ☐ 8270C SIM	Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total	Pesticides PCBs ☐ EPA 8081 ☐ EPA 8082	CAM17 Metals (EPA 6010/7470/7471)	Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other:	Metals: ☐ 6020 ☐ 200.8 (ICP-MS):	☐ W.E.T (STLC) ☐ TCLP ☐ W.E.T (DI)	Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199	pH ☐ 9040 ☐ SM4500	☐ Spec Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS	Anions: ☐ Cl ☐ SO_4 ☐ NO_3 ☐ F ☐ Br ☐ NO_2 ☐ PO_4	☐ Perchlorate by EPA 314.0	COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity
DS5-0.5	11/12/14	1314	Soil	ice			X															
DS6-0.5 COMP E-0.5		1256																				
DS7-0.5		1025																				
DS8-0.5		1121																				
DS5-1.5		1319					X															
DS6-1.5 COMP E-1.5		1259																				
DS7-1.5		1047																				
DS8-1.5		1125																				

Page 43 of 45

Project Info

Project Name/ #: Ashland 402 090 002
PO#:

Sample Receipt

of Containers:
Head Space:
Temp:
Credit Card Y/N: If yes, please call with payment information ASAP

TAT: 10 Day | 5 Day | 4 Day | (3 Day) | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID _____

See Terms and Conditions on reverse

1) Relinquished by: Melissa Terni	Time: 1523	2) Relinquished by: [signature]	Time: 1520
Signature		Signature	
Printed Name: M Terni	Date: 11/12/14	Printed Name: REY FERMO	Date: 11-12-14
Company: Ninyo & Moore		Company	
1) Received by: [signature]	Time: 15:23	2) Received by: [signature]	Time: 11/12/14
Signature		Signature	
Printed Name: REY FERMO 11-12	Date	Printed Name: J Gonzales	Date: 1400
Company		Company: TAP	

3) Relinquished by:		3) Received by:	
Signature	Time	Signature	Time
Printed Name	Date	Printed Name	Date
Company		Company	

Rev.10/2

Reference #: ______

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TESTAMERICA Pleasanton Chain of Custody

1220 Quarry Lane • Pleasanton CA 94566-4756
Phone: (925) 484-1919 • Fax: (925) 600-3002

720-61192

Date 11/12/14 Page 4 of 4

11/17/2014

Report To

Attn: Peter Sims
Company: Ninyo & Moore
Address:
Email: psims@ninyoandmoore.com
Bill To: Same
Sampled By: M.Terry
Attn:
Phone: 510.343.3000

Analysis Request

Analysis columns:
1. Volatile Organics GC/MS (VOCs) ☐ EPA 8260B
2. HVOCs by ☐ EPA 8260B
3. EPA 8260B: ☒ Gas ☒ BTEX ☐ 5 Oxygenates ☐ DCA, EDB ☐ Ethanol + naphthalene
4. TEPH EPA 8015B ☒ Silica Gel ☒ Diesel ☒ Motor Oil ☐ Other
5. SemiVolatile Organics GC/MS ☐ EPA 8270C
6. PNA/PAH's by ☐ 8270C ☐ 8270C SIM
7. Oil and Grease (EPA 1664/9071) ☐ Petroleum ☐ Total
8. Pesticides ☐ EPA 8081, PCBs ☐ EPA 8082
9. CAM17 Metals (EPA 6010/7470/7471)
10. Metals: ☐ 6010B ☐ 200.7 ☐ Lead ☐ LUFT ☐ RCRA ☐ Other
11. Metals: ☐ 6020 ☐ 200.8 (ICP-MS):
12. ☐ W.E.T (STLC) ☐ W.E.T (DI) ☐ TCLP
13. Hex. Chrom by ☐ EPA 7196 ☐ or EPA 7199
14. pH ☐ 9040 ☐ SM4500
15. ☐ Spec. Cond. ☐ Alkalinity ☐ TSS ☐ SS ☐ TDS
16. Anions: ☐ Cl ☐ SO4 ☐ NO3 ☐ F ☐ Br ☐ NO2 ☐ PO4
17. ☐ Perchlorate by EPA 314.0
18. ☐ COD ☐ EPA 410.4 ☐ SM5220D ☐ Turbidity

Sample ID	Date	Time	Matrix	Preserv	EPA 8260B	TEPH EPA 8015B	CAM17 Metals
DS5-3.0 (COMP E-3.0)	11/12/14	1323	Soil	ice		X (composite)	X (composite)
DS6-3.0 (COMP E-3.0)	11/12/14	1302	Soil	ice		X (composite)	X (composite)
DS7-3.0 (COMP E-3.0)	11/12/14	1051	Soil	ice	X	X (composite)	X (composite)
DS8-3.0 (COMP E-3.0)	11/12/14	1131	Soil	ice		X (composite)	X (composite)
DS5-5.0 (COMP E-5.0)	11/12/14	1327	Soil	ice		X (composite)	X (composite)
DS6-5.0 (COMP E-5.0)	11/12/14	1305	Soil	ice		X (composite)	X (composite)
DS7-5.0 (COMP E-5.0)	11/12/14	1056	Soil	ice		X (composite)	X (composite)
DS8-5.0 (COMP E-5.0)	11/12/14	1134	Soil	ice	X	X (composite)	X (composite)

Project Info.
Project Name/ #: Ashland 402090002
PO#:
Credit Card Y/N: If yes, please call with payment information ASAP

Sample Receipt
# of Containers:
Head Space:
Temp:

TAT: 10 Day | 5 Day | 4 Day | (3 Day) | 2 Day | 1 Day | Other:

Report: ☐ Routine ☐ Level 3 ☐ Level 4 ☐ EDD ☐ EDF
Special Instructions / Comments: ☐ Global ID ______

See Terms and Conditions on reverse

	1)	2)	3)
Relinquished by: Signature	Melissa Terry	[signature]	
Time	1523	~~1523~~ 5:00 (M)	
Printed Name	M Terry	REY FERMO	
Date	11/12/14	11-12-14	
Company	Ninyo & Moore		
Received by: Signature	[signature]	[signature]	
Time	15:23	1700	
Printed Name	REY FERMO	J Gonzalez	
Date	11-12	11/12/14	
Company		TAP	

Login Sample Receipt Checklist

Client: Ninyo & Moore

Job Number: 720-61192-1

Login Number: 61192

List Source: TestAmerica Pleasanton

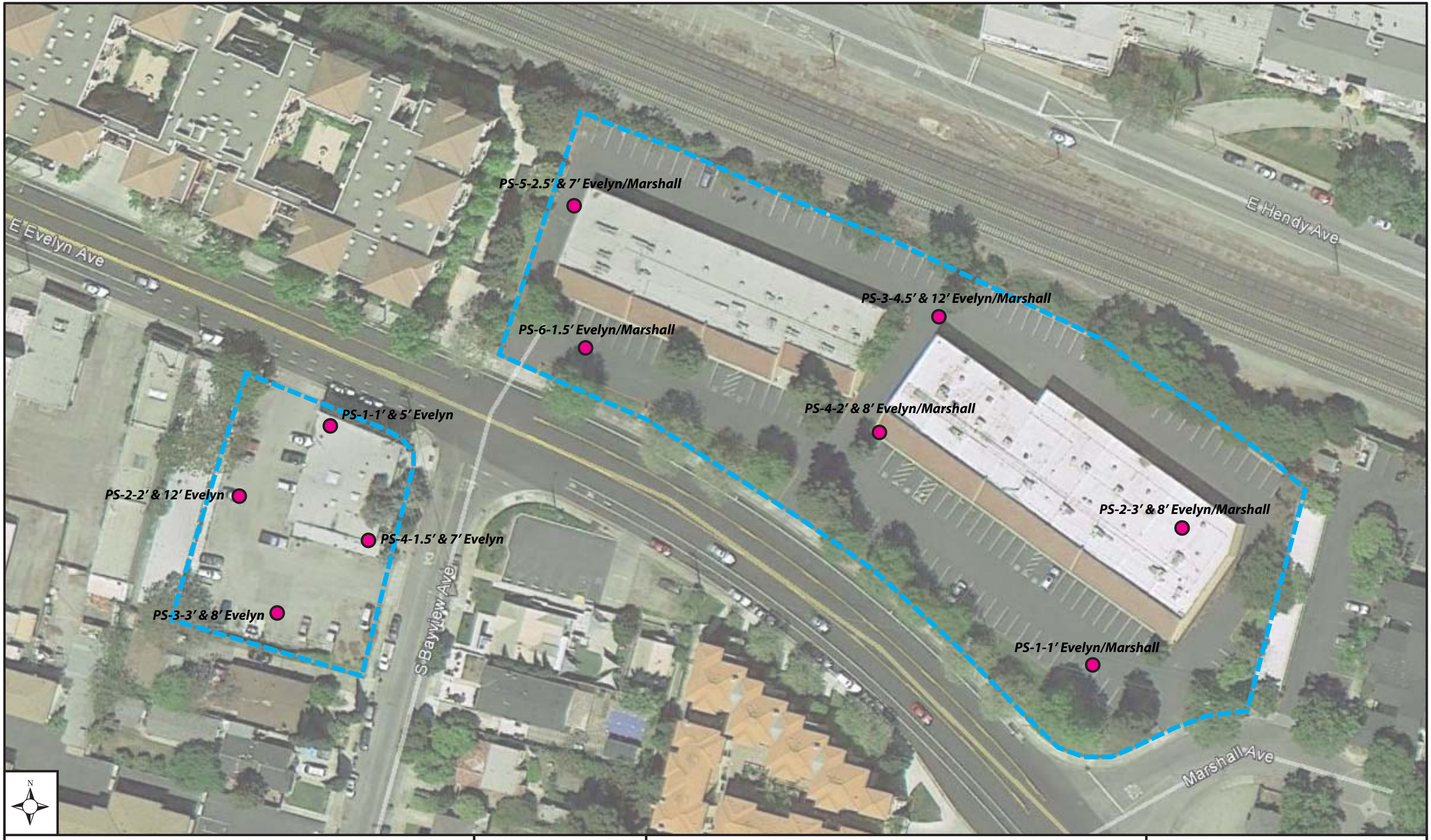
List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

APPENDIX E

FILL MATERIAL DOCUMENTATION



PS-4-1′ -Sample ID, Approximate Depth & Sample Location

-Approximate Site Limits

Approx. cy

Sample Map
4/25/14
PS-1-4 Evelyn &
PS-1-6 Evelyn/Marshall

Sunnyvale, Evelyn Apartments

Image by: Google Earth

Map by: Bryan Brasesco

Pacific States
ENVIRONMENTAL CONTRACTORS, INC.

Soil Sample Data Summary

5/5/2014

Project Location / Name		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn		Sunnyvale / Evelyn	
Sample Date		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014		4/25/2014	
Sample ID/Location		PS-1-1' EVELYN/MARSH		PS-2-3' EVELYN/MARSH		PS-2-8' EVELYN/MARSH		PS-3-4.5' EVELYN/MARSH		PS-3-12' EVELYN/MARSH		PS-4-2' EVELYN/MARSH		PS-4-8' EVELYN/MARSH		PS-5-2.5' EVELYN/MARSH		PS-5-7' EVELYN/MARSH		PS-6-1.5' EVELYN/MARSH	
	Tier 1 2013 ESL	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**	**Value**	**RL**
Metals (CAM17)	mg/kg	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Antimony	20	ND	0.45	ND	0.44	ND	0.44	ND	0.47	ND	0.94	ND	0.81	ND	0.49	ND	0.45	ND	0.46	ND	0.47
Arsenic	0.39	**3.2**	0.89	**3.3**	0.88	**3**	0.88	**3.2**	0.93	**2.8**	1.9	**2.6**	1.6	**2.7**	0.97	**3.7**	0.91	**3.2**	0.92	**3.2**	0.94
Barium	750	**110**	0.45	**110**	0.44	**110**	0.44	**120**	0.47	**110**	0.94	**100**	0.81	**84**	0.49	**140**	0.45	**100**	0.46	**94**	0.47
Beryllium	4	ND	0.089	ND	0.088	ND	0.088	ND	0.093	ND	0.19	ND	0.16	ND	0.097	ND	0.091	ND	0.092	ND	0.094
Cadmium	12	ND	0.11	ND	0.11	ND	0.11	ND	0.12	ND	0.24	ND	0.2	ND	0.12	**0.13**	0.11	**0.11**	0.11	ND	0.12
Chromium	1000	**45**	0.45	**41**	0.44	**41**	0.44	**51**	0.47	**50**	0.94	**52**	0.81	**50**	0.49	**43**	0.45	**42**	0.46	**57**	0.47
Cobalt	23	**9**	0.18	**8.9**	0.18	**8.8**	0.18	**8.7**	0.19	**15**	0.38	**11**	0.32	**9**	0.19	**9.5**	0.18	**9.5**	0.18	**8.1**	0.19
Copper	230	**21**	1.3	**23**	1.3	**20**	1.3	**22**	1.4	**28**	2.8	**24**	2.4	**19**	1.5	**24**	1.4	**22**	1.4	**22**	1.4
Lead	80	**4.7**	0.45	**4.9**	0.44	**4**	0.44	**4.6**	0.47	**3.5**	0.94	**9.3**	0.81	**4.3**	0.49	**9.5**	0.45	**4.6**	0.46	**4.7**	0.47
Molybdenum	40	ND	0.45	ND	0.44	ND	0.44	ND	0.47	ND	0.94	ND	0.81	ND	0.49	ND	0.45	ND	0.46	ND	0.47
Nickel	150	**49**	0.45	**47**	0.44	**47**	0.44	**47**	0.47	**53**	0.94	**42**	0.81	**55**	0.49	**53**	0.45	**50**	0.46	**51**	0.47
Selenium	10	ND	0.89	ND	0.88	ND	0.88	ND	0.93	ND	1.9	ND	1.6	ND	0.97	ND	0.91	ND	0.92	ND	0.94
Silver	20	ND	0.22	ND	0.22	ND	0.22	ND	0.23	ND	0.47	ND	0.4	ND	0.24	ND	0.23	ND	0.23	ND	0.24
Thallium	0.78	ND	0.45	ND	0.44	ND	0.44	ND	0.47	ND	0.94	ND	0.81	ND	0.49	ND	0.45	ND	0.46	ND	0.47
Vanadium	200	**36**	0.45	**36**	0.44	**40**	0.44	**38**	0.47	**63**	0.94	**50**	0.81	**42**	0.49	**37**	0.45	**39**	0.46	**37**	0.47
Zinc	600	**35**	1.3	**37**	1.3	**33**	1.3	**35**	1.4	**43**	2.8	**47**	2.4	**33**	1.5	**43**	1.4	**34**	1.4	**37**	1.4
Mercury	6.7	**0.077**	0.009	**0.058**	0.01	**0.048**	0.009	**0.083**	0.008	**0.05**	0.008	**0.052**	0.01	**0.06**	0.008	**0.076**	0.009	**0.076**	0.009	**0.042**	0.01
	--																				
TPH (3550/3510/8015B)	ug/kg	**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**	
Gasoline Range Organics (GRO)-C5-C12	100000	ND	230	ND	240	ND	240	ND	250	ND	240	ND	250	ND	250	ND	250	ND	250	ND	250
	--																				
TPH (3550/3510/8015B)	mg/kg	**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**		**mg/kg**	
Diesel Range Organics [C10-C28]	100	ND	0.99	ND	1	ND	0.99	**0.99**	0.99	ND	0.99	**3.1**	1	ND	0.99	**1.3**	0.99	**1.7**	1	ND	0.99
Motor Oil Range Organics [C24-C36]	100	ND	50	ND	50	ND	50	ND	50	ND	49	ND	50	ND	50	ND	49	ND	50	ND	49
	--																				
SVOC's (8270C)	ug/kg	**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**	
Acenaphthene	16000	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Acenaphthylene	13000	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Anthracene	2800	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Benzo[a]anthracene	380	ND	5	ND	5	ND	5	**7.2**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Benzo[a]pyrene	38	ND	5	ND	5	ND	5	**6.5**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Benzo[b]fluoranthene	380	ND	5	ND	5	ND	5	**18**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Benzo[g,h,i]perylene	27000	ND	5	ND	5	ND	5	**7.4**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Benzo[k]fluoranthene	380	ND	5	ND	5	ND	5	**6.7**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Chrysene	3800	ND	5	ND	5	ND	5	**11**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Dibenz(a,h)anthracene	110	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Fluoranthene	40000	ND	5	ND	5	ND	5	**11**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Fluorene	8900	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Indeno[1,2,3-cd]pyrene	380	ND	5	ND	5	ND	5	**7.2**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Naphthalene	1200	ND	9.3	ND	9.5	ND	9.7	ND	10	ND	9.7	ND	9.9	ND	10	ND	9.8	ND	9.9	ND	9.8
Phenanthrene	11000	ND	5	ND	5	ND	5	ND	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
Pyrene	85000	ND	5	ND	5	ND	5	**7.5**	5	ND	4.9	ND	5	ND	4.9	ND	5	ND	4.9	ND	5
	--																				
VOC's (8260B)	ug/kg	**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**	
VOC Total Remaining	--																				
Acetone	500	ND	46	ND	48	ND	48	ND	50	ND	49	ND	49	ND	50	ND	49	ND	49	ND	49
Chlorobenzene	1500	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Chloroethane	1100	ND	9.3	ND	9.5	ND	9.7	ND	10	ND	9.7	ND	9.9	ND	10	ND	9.8	ND	9.9	ND	9.8
Chloromethane	20000	ND	9.3	ND	9.5	ND	9.7	ND	10	ND	9.7	ND	9.9	ND	10	ND	9.8	ND	9.9	ND	9.8
Dibromoethane, 1,2-	0.33																				
1,2-Dichlorobenzene	1100	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
1,4-Dichlorobenzene	590	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
1,1-Dichloroethane	200	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
cis-1,2-Dichloroethene	190	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
trans-1,2-Dichloroethene	670	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Ethylbenzene	3300	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Methylene Chloride	77	ND	9.3	ND	9.5	ND	9.7	ND	10	ND	9.7	ND	9.9	ND	10	ND	9.8	ND	9.9	ND	9.8
Methyl ethyl ketone	4500																				
Methyl tert-butyl ether	23	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
1,1,1,2-Tetrachloroethane	9.1	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
1,1,2,2-Tetrachloroethane	18	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Tetrachloroethene	550	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Trichloroethene	460	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Vinyl chloride	32	ND	4.6	ND	4.8	ND	4.8	ND	5	ND	4.9	ND	4.9	ND	5	ND	4.9	ND	4.9	ND	4.9
Xylenes, Total	2300	ND	9.3	ND	9.5	ND	9.7	ND	10	ND	9.7	ND	9.9	ND	10	ND	9.8	ND	9.9	ND	9.8
	--																				
PCB's (8082)	ug/kg	**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**	
PCB-1016	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1221	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1232	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1242	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1248	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1254	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
PCB-1260	220	ND	48	ND	50	ND	49	ND	50	ND	48	ND	49	ND	50	ND	49	ND	50	ND	50
	--																				
Pesticides (8081A)	ug/kg	**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**		**ug/kg**	
Aldrin	32	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Dieldrin	2.3	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endrin aldehyde	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endrin	0.65	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endrin ketone	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Heptachlor	13	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Heptachlor epoxide	14	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
4,4'-DDT	1700	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
4,4'-DDE	1700	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
4,4'-DDD	2400	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endosulfan I	4.6	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endosulfan II	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
alpha-BHC	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
beta-BHC	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
gamma-BHC (Lindane)	9.8	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
delta-BHC	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Endosulfan sulfate	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Methoxychlor	19000	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
Toxaphene	0.42	ND	39	ND	40	ND	40	ND	40	ND	39	ND	39	ND	40	ND	39	ND	40	ND	40
Chlordane (technical)	440	ND	39	ND	40	ND	40	ND	40	ND	39	ND	39	ND	40	ND	39	ND	40	ND	40
alpha-Chlordane	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
gamma-Chlordane	--	ND	1.9	ND	2	ND	2	ND	2	ND	1.9	ND	2	ND	2	ND	2	ND	2	ND	2
DDT SUM	5800	ND	5.7	ND	6	ND	6	ND	6	ND	5.7	ND	6	ND	6	ND	6	ND	6	ND	6

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Tel: (925)484-1919

TestAmerica Job ID: 720-57003-1
Client Project/Site: Evelyn Ironworks

For:
Pacific States Environmental
11555 Dublin Blvd
Dublin, California 94568

Attn: Mr. Bryan Evans

Authorized for release by:
5/5/2014 1:44:25 PM

Dimple Sharma, Senior Project Manager
(925)484-1919
dimple.sharma@testamericainc.com

Table of Contents

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F2	MS/MSD RPD exceeds control limits
F1	MS and/or MSD Recovery exceeds the control limits

GC Semi VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Job ID: 720-57003-1

Laboratory: TestAmerica Pleasanton

Narrative

Job Narrative
720-57003-1

Comments
No additional comments.

Receipt
The samples were received on 4/25/2014 12:20 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.7° C.

GC/MS VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC/MS Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted.

Metals
Method 6010B: The method blank for batch 158330 contained Zn above the reporting limit (RL). Associated sample were not re-extracted and/or re-analyzed because results were greater than 10X the value found in the method blank.

Method 6010B: The following sample was diluted due to the abundance of non-target analyte Fe: PS-3-12' EVELYN/MARSHALL (720-57003-13), PS-4-2' EVELYN/MARSHALL (720-57003-14). Elevated reporting limits (RLs) are provided.

Method 6010B: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for prep batch 158330 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 6010B: The serial dilution performed for the following sample associated with batch 158564 was outside control limits: (720-57003-1 SD)

No other analytical or quality issues were noted.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN — Lab Sample ID: 720-57003-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Antimony	0.87		0.47		mg/Kg	1		6010B	Total/NA
Arsenic	3.8		0.94		mg/Kg	1		6010B	Total/NA
Barium	140		0.47		mg/Kg	1		6010B	Total/NA
Beryllium	0.32		0.094		mg/Kg	1		6010B	Total/NA
Chromium	50		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	11		0.19		mg/Kg	1		6010B	Total/NA
Copper	26		1.4		mg/Kg	1		6010B	Total/NA
Lead	5.7		0.47		mg/Kg	1		6010B	Total/NA
Nickel	54		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	42		0.47		mg/Kg	1		6010B	Total/NA
Zinc	44	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.053		0.0098		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-1-5' EVELYN — Lab Sample ID: 720-57003-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	4.4		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
4,4'-DDT	2.5		1.9		ug/Kg	1		8081A	Total/NA
Antimony	0.79		0.48		mg/Kg	1		6010B	Total/NA
Arsenic	3.4		0.96		mg/Kg	1		6010B	Total/NA
Barium	110		0.48		mg/Kg	1		6010B	Total/NA
Chromium	47		0.48		mg/Kg	1		6010B	Total/NA
Cobalt	9.9		0.19		mg/Kg	1		6010B	Total/NA
Copper	25		1.4		mg/Kg	1		6010B	Total/NA
Lead	5.6		0.48		mg/Kg	1		6010B	Total/NA
Nickel	47		0.48		mg/Kg	1		6010B	Total/NA
Vanadium	47		0.48		mg/Kg	1		6010B	Total/NA
Zinc	38	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.055		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-2-2' EVELYN — Lab Sample ID: 720-57003-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	3.3		1.9		ug/Kg	1		8081A	Total/NA
Antimony	0.51		0.42		mg/Kg	1		6010B	Total/NA
Arsenic	3.4		0.84		mg/Kg	1		6010B	Total/NA
Barium	120		0.42		mg/Kg	1		6010B	Total/NA
Beryllium	0.29		0.084		mg/Kg	1		6010B	Total/NA
Chromium	39		0.42		mg/Kg	1		6010B	Total/NA
Cobalt	8.7		0.17		mg/Kg	1		6010B	Total/NA
Copper	21		1.3		mg/Kg	1		6010B	Total/NA
Lead	5.8		0.42		mg/Kg	1		6010B	Total/NA
Nickel	47		0.42		mg/Kg	1		6010B	Total/NA
Vanadium	33		0.42		mg/Kg	1		6010B	Total/NA
Zinc	38	B	1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.15		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-2-12' EVELYN — Lab Sample ID: 720-57003-4

This Detection Summary does not include radiochemical test results.

Client Sample ID: PS-2-12' EVELYN (Continued) — Lab Sample ID: 720-57003-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
4,4'-DDE	2.3		2.0		ug/Kg	1		8081A	Total/NA
Antimony	0.66		0.45		mg/Kg	1		6010B	Total/NA
Arsenic	4.0		0.91		mg/Kg	1		6010B	Total/NA
Barium	110		0.45		mg/Kg	1		6010B	Total/NA
Chromium	47		0.45		mg/Kg	1		6010B	Total/NA
Cobalt	9.3		0.18		mg/Kg	1		6010B	Total/NA
Copper	23		1.4		mg/Kg	1		6010B	Total/NA
Lead	7.5		0.45		mg/Kg	1		6010B	Total/NA
Nickel	48		0.45		mg/Kg	1		6010B	Total/NA
Vanadium	41		0.45		mg/Kg	1		6010B	Total/NA
Zinc	39	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.078		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-3-3' EVELYN — Lab Sample ID: 720-57003-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.7		0.99		mg/Kg	1		6010B	Total/NA
Barium	120		0.50		mg/Kg	1		6010B	Total/NA
Chromium	49		0.50		mg/Kg	1		6010B	Total/NA
Cobalt	10		0.20		mg/Kg	1		6010B	Total/NA
Copper	27		1.5		mg/Kg	1		6010B	Total/NA
Lead	5.5		0.50		mg/Kg	1		6010B	Total/NA
Nickel	55		0.50		mg/Kg	1		6010B	Total/NA
Vanadium	42		0.50		mg/Kg	1		6010B	Total/NA
Zinc	42	B	1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.90		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-3-8' EVELYN — Lab Sample ID: 720-57003-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.4		0.93		mg/Kg	1		6010B	Total/NA
Barium	96		0.47		mg/Kg	1		6010B	Total/NA
Chromium	36		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	7.5		0.19		mg/Kg	1		6010B	Total/NA
Copper	18		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.7		0.47		mg/Kg	1		6010B	Total/NA
Nickel	39		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	33		0.47		mg/Kg	1		6010B	Total/NA
Zinc	32	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.065		0.0094		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-4-1.5' EVELYN — Lab Sample ID: 720-57003-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.5		0.93		mg/Kg	1		6010B	Total/NA
Barium	140		0.46		mg/Kg	1		6010B	Total/NA
Chromium	47		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	10		0.19		mg/Kg	1		6010B	Total/NA
Copper	25		1.4		mg/Kg	1		6010B	Total/NA
Lead	5.2		0.46		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: PS-4-1.5' EVELYN (Continued) — Lab Sample ID: 720-57003-7

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	53		0.46		mg/Kg	1		6010B	Total/NA
Vanadium	39		0.46		mg/Kg	1		6010B	Total/NA
Zinc	40	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.056		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-4-7' EVELYN — Lab Sample ID: 720-57003-8

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		0.96		mg/Kg	1		6010B	Total/NA
Barium	140		0.48		mg/Kg	1		6010B	Total/NA
Chromium	41		0.48		mg/Kg	1		6010B	Total/NA
Cobalt	9.2		0.19		mg/Kg	1		6010B	Total/NA
Copper	22		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.8		0.48		mg/Kg	1		6010B	Total/NA
Nickel	46		0.48		mg/Kg	1		6010B	Total/NA
Vanadium	38		0.48		mg/Kg	1		6010B	Total/NA
Zinc	36	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.078		0.0095		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-1-1' EVELYN/MARSHALL — Lab Sample ID: 720-57003-9

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2		0.89		mg/Kg	1		6010B	Total/NA
Barium	110		0.45		mg/Kg	1		6010B	Total/NA
Chromium	45		0.45		mg/Kg	1		6010B	Total/NA
Cobalt	9.0		0.18		mg/Kg	1		6010B	Total/NA
Copper	21		1.3		mg/Kg	1		6010B	Total/NA
Lead	4.7		0.45		mg/Kg	1		6010B	Total/NA
Nickel	49		0.45		mg/Kg	1		6010B	Total/NA
Vanadium	36		0.45		mg/Kg	1		6010B	Total/NA
Zinc	35	B	1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.077		0.0087		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-2-3' EVELYN/MARSHALL — Lab Sample ID: 720-57003-10

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.3		0.88		mg/Kg	1		6010B	Total/NA
Barium	110		0.44		mg/Kg	1		6010B	Total/NA
Chromium	41		0.44		mg/Kg	1		6010B	Total/NA
Cobalt	8.9		0.18		mg/Kg	1		6010B	Total/NA
Copper	23		1.3		mg/Kg	1		6010B	Total/NA
Lead	4.9		0.44		mg/Kg	1		6010B	Total/NA
Nickel	47		0.44		mg/Kg	1		6010B	Total/NA
Vanadium	36		0.44		mg/Kg	1		6010B	Total/NA
Zinc	37	B	1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.058		0.010		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-2-8' EVELYN/MARSHALL — Lab Sample ID: 720-57003-11

This Detection Summary does not include radiochemical test results.

Client Sample ID: PS-2-8' EVELYN/MARSHALL (Continued) — Lab Sample ID: 720-57003-11

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	5.6		5.0		ug/Kg	1		8270C SIM	Total/NA
Arsenic	3.0		0.88		mg/Kg	1		6010B	Total/NA
Barium	110		0.44		mg/Kg	1		6010B	Total/NA
Chromium	41		0.44		mg/Kg	1		6010B	Total/NA
Cobalt	8.8		0.18		mg/Kg	1		6010B	Total/NA
Copper	20		1.3		mg/Kg	1		6010B	Total/NA
Lead	4.0		0.44		mg/Kg	1		6010B	Total/NA
Nickel	47		0.44		mg/Kg	1		6010B	Total/NA
Vanadium	40		0.44		mg/Kg	1		6010B	Total/NA
Zinc	33	B	1.3		mg/Kg	1		6010B	Total/NA
Mercury	0.048		0.0091		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL — Lab Sample ID: 720-57003-12

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	7.2		5.0		ug/Kg	1		8270C SIM	Total/NA
Benzo[a]pyrene	6.5		5.0		ug/Kg	1		8270C SIM	Total/NA
Benzo[b]fluoranthene	18		5.0		ug/Kg	1		8270C SIM	Total/NA
Benzo[g,h,i]perylene	7.4		5.0		ug/Kg	1		8270C SIM	Total/NA
Benzo[k]fluoranthene	6.7		5.0		ug/Kg	1		8270C SIM	Total/NA
Chrysene	11		5.0		ug/Kg	1		8270C SIM	Total/NA
Fluoranthene	11		5.0		ug/Kg	1		8270C SIM	Total/NA
Indeno[1,2,3-cd]pyrene	7.2		5.0		ug/Kg	1		8270C SIM	Total/NA
Pyrene	7.5		5.0		ug/Kg	1		8270C SIM	Total/NA
Diesel Range Organics [C10-C28]	0.99		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.2		0.93		mg/Kg	1		6010B	Total/NA
Barium	120		0.47		mg/Kg	1		6010B	Total/NA
Chromium	51		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	8.7		0.19		mg/Kg	1		6010B	Total/NA
Copper	22		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.6		0.47		mg/Kg	1		6010B	Total/NA
Nickel	47		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	38		0.47		mg/Kg	1		6010B	Total/NA
Zinc	35	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.083		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-3-12' EVELYN/MARSHALL — Lab Sample ID: 720-57003-13

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.8		1.9		mg/Kg	2		6010B	Total/NA
Barium	110		0.94		mg/Kg	2		6010B	Total/NA
Chromium	50		0.94		mg/Kg	2		6010B	Total/NA
Cobalt	15		0.38		mg/Kg	2		6010B	Total/NA
Copper	28		2.8		mg/Kg	2		6010B	Total/NA
Lead	3.5		0.94		mg/Kg	2		6010B	Total/NA
Nickel	53		0.94		mg/Kg	2		6010B	Total/NA
Vanadium	63		0.94		mg/Kg	2		6010B	Total/NA
Zinc	43	B	2.8		mg/Kg	2		6010B	Total/NA
Mercury	0.050		0.0083		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-2' EVELYN/MARSHALL — Lab Sample ID: 720-57003-14

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	3.1		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	2.6		1.6		mg/Kg	2		6010B	Total/NA
Barium	100		0.81		mg/Kg	2		6010B	Total/NA
Chromium	52		0.81		mg/Kg	2		6010B	Total/NA
Cobalt	11		0.32		mg/Kg	2		6010B	Total/NA
Copper	24		2.4		mg/Kg	2		6010B	Total/NA
Lead	9.3		0.81		mg/Kg	2		6010B	Total/NA
Nickel	42		0.81		mg/Kg	2		6010B	Total/NA
Vanadium	50		0.81		mg/Kg	2		6010B	Total/NA
Zinc	47	B	2.4		mg/Kg	2		6010B	Total/NA
Mercury	0.052		0.0097		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-4-8' EVELYN/MARSHALL — Lab Sample ID: 720-57003-15

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	2.7		0.97		mg/Kg	1		6010B	Total/NA
Barium	84		0.49		mg/Kg	1		6010B	Total/NA
Chromium	50		0.49		mg/Kg	1		6010B	Total/NA
Cobalt	9.0		0.19		mg/Kg	1		6010B	Total/NA
Copper	19		1.5		mg/Kg	1		6010B	Total/NA
Lead	4.3		0.49		mg/Kg	1		6010B	Total/NA
Nickel	55		0.49		mg/Kg	1		6010B	Total/NA
Vanadium	42		0.49		mg/Kg	1		6010B	Total/NA
Zinc	33	B	1.5		mg/Kg	1		6010B	Total/NA
Mercury	0.060		0.0083		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL — Lab Sample ID: 720-57003-16

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.3		0.99		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.7		0.91		mg/Kg	1		6010B	Total/NA
Barium	140		0.45		mg/Kg	1		6010B	Total/NA
Cadmium	0.13		0.11		mg/Kg	1		6010B	Total/NA
Chromium	43		0.45		mg/Kg	1		6010B	Total/NA
Cobalt	9.5		0.18		mg/Kg	1		6010B	Total/NA
Copper	24		1.4		mg/Kg	1		6010B	Total/NA
Lead	9.5		0.45		mg/Kg	1		6010B	Total/NA
Nickel	53		0.45		mg/Kg	1		6010B	Total/NA
Vanadium	37		0.45		mg/Kg	1		6010B	Total/NA
Zinc	43	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.076		0.0088		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-5-7' EVELYN/MARSHALL — Lab Sample ID: 720-57003-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Diesel Range Organics [C10-C28]	1.7		1.0		mg/Kg	1		8015B	Silica Gel Cleanup
Arsenic	3.2		0.92		mg/Kg	1		6010B	Total/NA
Barium	100		0.46		mg/Kg	1		6010B	Total/NA

This Detection Summary does not include radiochemical test results.

TestAmerica Pleasanton

Client Sample ID: PS-5-7' EVELYN/MARSHALL (Continued)

Lab Sample ID: 720-57003-17

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Cadmium	0.11		0.11		mg/Kg	1		6010B	Total/NA
Chromium	42		0.46		mg/Kg	1		6010B	Total/NA
Cobalt	9.5		0.18		mg/Kg	1		6010B	Total/NA
Copper	22		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.6		0.46		mg/Kg	1		6010B	Total/NA
Nickel	50		0.46		mg/Kg	1		6010B	Total/NA
Vanadium	39		0.46		mg/Kg	1		6010B	Total/NA
Zinc	34	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.076		0.0092		mg/Kg	1		7471A	Total/NA

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL

Lab Sample ID: 720-57003-18

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	3.2		0.94		mg/Kg	1		6010B	Total/NA
Barium	94		0.47		mg/Kg	1		6010B	Total/NA
Chromium	57		0.47		mg/Kg	1		6010B	Total/NA
Cobalt	8.1		0.19		mg/Kg	1		6010B	Total/NA
Copper	22		1.4		mg/Kg	1		6010B	Total/NA
Lead	4.7		0.47		mg/Kg	1		6010B	Total/NA
Nickel	51		0.47		mg/Kg	1		6010B	Total/NA
Vanadium	37		0.47		mg/Kg	1		6010B	Total/NA
Zinc	37	B	1.4		mg/Kg	1		6010B	Total/NA
Mercury	0.042		0.0098		mg/Kg	1		7471A	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN
Date Collected: 04/25/14 07:39
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Acetone	ND		48		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Benzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Dichlorobromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Bromobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Bromoform	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Bromomethane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
2-Butanone (MEK)	ND		48		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
n-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
sec-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
tert-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Carbon disulfide	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Carbon tetrachloride	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chloroethane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chloroform	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chloromethane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
2-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
4-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Chlorodibromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,3-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2-Dibromo-3-Chloropropane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Ethylene Dibromide	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Dibromomethane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Ethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Hexachlorobutadiene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
2-Hexanone	ND		48		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Isopropylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
4-Isopropyltoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Methylene Chloride	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Naphthalene	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
N-Propylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Styrene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1

Client Sample ID: PS-1-1' EVELYN
Date Collected: 04/25/14 07:39
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-1
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Tetrachloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Toluene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Trichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Trichlorofluoromethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Vinyl acetate	ND		48		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Vinyl chloride	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Xylenes, Total	ND		9.5		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
2,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/25/14 23:15	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/25/14 23:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*45 - 131*	*04/25/14 21:06*	*04/25/14 23:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*	*04/25/14 21:06*	*04/25/14 23:15*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*04/25/14 21:06*	*04/25/14 23:15*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Acenaphthylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Chrysene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Fluorene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Naphthalene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Phenanthrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1
Pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 14:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*80*		*33 - 120*	*04/29/14 18:03*	*04/30/14 14:56*	*1*
Terphenyl-d14	*98*		*35 - 146*	*04/29/14 18:03*	*04/30/14 14:56*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 11:34	05/02/14 09:41	1

Client Sample ID: PS-1-1' EVELYN
Date Collected: 04/25/14 07:39
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-1
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 11:34	05/02/14 09:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 1*	*05/01/14 11:34*	*05/02/14 09:41*	*1*
p-Terphenyl	*75*		*38 - 148*	*05/01/14 11:34*	*05/02/14 09:41*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 13:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*57 - 122*	*05/01/14 16:02*	*05/02/14 13:41*	*1*
DCB Decachlorobiphenyl	*110*		*21 - 136*	*05/01/14 16:02*	*05/02/14 13:41*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:03*	*1*
DCB Decachlorobiphenyl	*91*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:03*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN
Date Collected: 04/25/14 07:39
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-1
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.87		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Arsenic	3.8		0.94		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Barium	140		0.47		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Beryllium	0.32		0.094		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Chromium	50		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Cobalt	11		0.19		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Copper	26		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Lead	5.7		0.47		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Molybdenum	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Nickel	54		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Selenium	ND		0.94		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Silver	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Thallium	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 20:35	1
Vanadium	42		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:06	1
Zinc	44	B	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:06	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.053		0.0098		mg/Kg		04/29/14 13:15	04/30/14 11:39	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-5' EVELYN
Date Collected: 04/25/14 07:40
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Acetone	ND		50		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Benzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Dichlorobromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Bromobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Bromoform	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Bromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
2-Butanone (MEK)	ND		50		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
n-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
sec-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
tert-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Carbon disulfide	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Carbon tetrachloride	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chloroethane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chloroform	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chloromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
2-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
4-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Chlorodibromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,3-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Ethylene Dibromide	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Dibromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Ethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
2-Hexanone	ND		50		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Isopropylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
4-Isopropyltoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Methylene Chloride	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Naphthalene	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
N-Propylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Styrene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1

Client Sample ID: PS-1-5' EVELYN
Date Collected: 04/25/14 07:40
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-2
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Tetrachloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Toluene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Trichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Vinyl acetate	ND		50		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Vinyl chloride	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Xylenes, Total	ND		9.9		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
2,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/25/14 23:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/25/14 23:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*45 - 131*	*04/25/14 21:06*	*04/25/14 23:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*04/25/14 21:06*	*04/25/14 23:44*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/25/14 23:44*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*33 - 120*	*04/29/14 18:03*	*04/30/14 14:15*	*1*
Terphenyl-d14	*105*		*35 - 146*	*04/29/14 18:03*	*04/30/14 14:15*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**4.4**		1.0		mg/Kg		05/01/14 14:54	05/02/14 10:06	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-5' EVELYN
Date Collected: 04/25/14 07:40
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-2
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 10:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*05/01/14 14:54*	*05/02/14 10:06*	*1*
p-Terphenyl	*84*		*38 - 148*	*05/01/14 14:54*	*05/02/14 10:06*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Dieldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endrin aldehyde	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endrin ketone	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Heptachlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Heptachlor epoxide	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
4,4'-DDT	**2.5**		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
4,4'-DDE	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
4,4'-DDD	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endosulfan I	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endosulfan II	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
alpha-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
beta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
delta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Endosulfan sulfate	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Methoxychlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
alpha-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1
gamma-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*57 - 122*	*05/01/14 16:02*	*05/02/14 13:59*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*05/01/14 16:02*	*05/02/14 13:59*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:20*	*1*
DCB Decachlorobiphenyl	*92*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:20*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-5' EVELYN
Date Collected: 04/25/14 07:40
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-2
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.79		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Arsenic	3.4		0.96		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Barium	110		0.48		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Beryllium	ND		0.096		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Chromium	47		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Cobalt	9.9		0.19		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Copper	25		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Lead	5.6		0.48		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Molybdenum	ND		0.48		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Nickel	47		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Selenium	ND		0.96		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Silver	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Thallium	ND		0.48		mg/Kg		04/29/14 13:12	05/01/14 20:45	1
Vanadium	47		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:15	1
Zinc	38	B	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:15	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.055		0.0088		mg/Kg		04/29/14 13:15	04/30/14 11:41	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-2' EVELYN
Date Collected: 04/25/14 07:47
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Acetone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Benzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Dichlorobromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Bromobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Bromoform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Bromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
2-Butanone (MEK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
n-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
sec-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
tert-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Carbon disulfide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Carbon tetrachloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chloroethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chloroform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chloromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
2-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
4-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Chlorodibromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,3-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Ethylene Dibromide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Dibromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Ethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Hexachlorobutadiene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
2-Hexanone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Isopropylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
4-Isopropyltoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Methylene Chloride	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Naphthalene	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
N-Propylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Styrene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1

Client Sample ID: PS-2-2' EVELYN
Date Collected: 04/25/14 07:47
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-3
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Tetrachloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Toluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Trichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Trichlorofluoromethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Vinyl acetate	ND		50		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Vinyl chloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Xylenes, Total	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
2,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 00:13	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 00:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*45 - 131*	*04/25/14 21:06*	*04/26/14 00:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 140*	*04/25/14 21:06*	*04/26/14 00:13*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*04/25/14 21:06*	*04/26/14 00:13*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*77*		*33 - 120*	*04/29/14 18:03*	*04/30/14 14:36*	*1*
Terphenyl-d14	*102*		*35 - 146*	*04/29/14 18:03*	*04/30/14 14:36*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 14:54	05/02/14 10:30	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-2' EVELYN
Date Collected: 04/25/14 07:47
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-3
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 10:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*05/01/14 14:54*	*05/02/14 10:30*	*1*
p-Terphenyl	*78*		*38 - 148*	*05/01/14 14:54*	*05/02/14 10:30*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Dieldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endrin aldehyde	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endrin ketone	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Heptachlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Heptachlor epoxide	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
4,4'-DDT	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
4,4'-DDE	**3.3**		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
4,4'-DDD	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endosulfan I	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endosulfan II	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
alpha-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
beta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
delta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Endosulfan sulfate	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Methoxychlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
alpha-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1
gamma-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:17	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*57 - 122*	*05/01/14 16:02*	*05/02/14 14:17*	*1*
DCB Decachlorobiphenyl	*116*		*21 - 136*	*05/01/14 16:02*	*05/02/14 14:17*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*76*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:37*	*1*
DCB Decachlorobiphenyl	*91*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:37*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-2' EVELYN
Date Collected: 04/25/14 07:47
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-3
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.51		0.42		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Arsenic	3.4		0.84		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Barium	120		0.42		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Beryllium	0.29		0.084		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Cadmium	ND		0.11		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Chromium	39		0.42		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Cobalt	8.7		0.17		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Copper	21		1.3		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Lead	5.8		0.42		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Molybdenum	ND		0.42		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Nickel	47		0.42		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Selenium	ND		0.84		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Silver	ND		0.21		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Thallium	ND		0.42		mg/Kg		04/29/14 13:12	05/01/14 20:49	1
Vanadium	33		0.42		mg/Kg		04/29/14 13:12	04/30/14 20:19	1
Zinc	38	B	1.3		mg/Kg		04/29/14 13:12	04/30/14 20:19	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.15		0.0094		mg/Kg		04/29/14 13:15	04/30/14 11:43	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-12' EVELYN
Date Collected: 04/25/14 07:49
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Acetone	ND		47		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Benzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Dichlorobromomethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Bromobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Bromoform	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Bromomethane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
2-Butanone (MEK)	ND		47		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
n-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
sec-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
tert-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Carbon disulfide	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Carbon tetrachloride	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chloroethane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chloroform	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chloromethane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
2-Chlorotoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
4-Chlorotoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Chlorodibromomethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,3-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2-Dibromo-3-Chloropropane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Ethylene Dibromide	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Dibromomethane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Dichlorodifluoromethane	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1-Dichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2-Dichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Ethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Hexachlorobutadiene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
2-Hexanone	ND		47		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Isopropylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
4-Isopropyltoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Methylene Chloride	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
4-Methyl-2-pentanone (MIBK)	ND		47		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Naphthalene	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
N-Propylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Styrene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1

Client Sample ID: PS-2-12' EVELYN
Date Collected: 04/25/14 07:49
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-4
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Tetrachloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Toluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Trichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Trichlorofluoromethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,2,4-Trimethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Vinyl acetate	ND		47		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Vinyl chloride	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Xylenes, Total	ND		9.4		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
2,2-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 00:42	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		04/25/14 21:06	04/26/14 00:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*45 - 131*	*04/25/14 21:06*	*04/26/14 00:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*60 - 140*	*04/25/14 21:06*	*04/26/14 00:42*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*04/25/14 21:06*	*04/26/14 00:42*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 14:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*72*		*33 - 120*	*04/29/14 18:03*	*04/30/14 14:20*	*1*
Terphenyl-d14	*87*		*35 - 146*	*04/29/14 18:03*	*04/30/14 14:20*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 10:54	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-12' EVELYN
Date Collected: 04/25/14 07:49
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-4
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 10:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*05/01/14 14:54*	*05/02/14 10:54*	*1*
p-Terphenyl	*64*		*38 - 148*	*05/01/14 14:54*	*05/02/14 10:54*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
4,4'-DDE	**2.3**		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 14:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*57 - 122*	*05/01/14 16:02*	*05/02/14 14:35*	*1*
DCB Decachlorobiphenyl	*111*		*21 - 136*	*05/01/14 16:02*	*05/02/14 14:35*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:53*	*1*
DCB Decachlorobiphenyl	*92*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:53*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-12' EVELYN
Date Collected: 04/25/14 07:49
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-4
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.66		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Arsenic	4.0		0.91		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Barium	110		0.45		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Beryllium	ND		0.091		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Cadmium	ND		0.11		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Chromium	47		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Cobalt	9.3		0.18		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Copper	23		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Lead	7.5		0.45		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Molybdenum	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Nickel	48		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Selenium	ND		0.91		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Thallium	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 20:54	1
Vanadium	41		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:24	1
Zinc	39	B	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:24	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.078		0.0097		mg/Kg		04/29/14 13:15	04/30/14 11:45	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-3' EVELYN
Date Collected: 04/25/14 08:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Acetone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Benzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Dichlorobromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Bromobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Bromoform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Bromomethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
2-Butanone (MEK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
n-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
sec-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
tert-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Carbon disulfide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Carbon tetrachloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chloroethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chloroform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chloromethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
2-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
4-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Chlorodibromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,3-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2-Dibromo-3-Chloropropane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Ethylene Dibromide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Dibromomethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Dichlorodifluoromethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Ethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Hexachlorobutadiene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
2-Hexanone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Isopropylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
4-Isopropyltoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Methylene Chloride	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Naphthalene	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
N-Propylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Styrene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1

Client Sample ID: PS-3-3' EVELYN
Date Collected: 04/25/14 08:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-5
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Tetrachloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Toluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Trichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Trichlorofluoromethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Vinyl acetate	ND		48		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Vinyl chloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Xylenes, Total	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
2,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 01:12	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/26/14 01:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*04/25/14 21:06*	*04/26/14 01:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*	*04/25/14 21:06*	*04/26/14 01:12*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*04/25/14 21:06*	*04/26/14 01:12*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Acenaphthylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Chrysene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Fluorene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Naphthalene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Phenanthrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1
Pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*33 - 120*	*04/29/14 18:03*	*04/30/14 16:16*	*1*
Terphenyl-d14	*88*		*35 - 146*	*04/29/14 18:03*	*04/30/14 16:16*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 14:54	05/02/14 11:19	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-3' EVELYN
Date Collected: 04/25/14 08:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-5
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 11:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.0008*		*0 - 1*	*05/01/14 14:54*	*05/02/14 11:19*	*1*
p-Terphenyl	*83*		*38 - 148*	*05/01/14 14:54*	*05/02/14 11:19*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Dieldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endrin aldehyde	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endrin ketone	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Heptachlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Heptachlor epoxide	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
4,4'-DDT	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
4,4'-DDE	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
4,4'-DDD	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endosulfan I	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endosulfan II	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
alpha-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
beta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
delta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Endosulfan sulfate	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Methoxychlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
alpha-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1
gamma-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*57 - 122*	*05/01/14 16:02*	*05/02/14 14:53*	*1*
DCB Decachlorobiphenyl	*101*		*21 - 136*	*05/01/14 16:02*	*05/02/14 14:53*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*45 - 132*	*05/01/14 16:02*	*05/02/14 14:10*	*1*
DCB Decachlorobiphenyl	*85*		*42 - 146*	*05/01/14 16:02*	*05/02/14 14:10*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-3' EVELYN
Date Collected: 04/25/14 08:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-5
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Arsenic	**3.7**		0.99		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Barium	**120**		0.50		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Beryllium	ND		0.099		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Chromium	**49**		0.50		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Cobalt	**10**		0.20		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Copper	**27**		1.5		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Lead	**5.5**		0.50		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Molybdenum	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Nickel	**55**		0.50		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Selenium	ND		0.99		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Silver	ND		0.25		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Thallium	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 21:09	1
Vanadium	**42**		0.50		mg/Kg		04/29/14 13:12	04/30/14 20:37	1
Zinc	**42**	**B**	1.5		mg/Kg		04/29/14 13:12	04/30/14 20:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.90**		0.0083		mg/Kg		04/29/14 13:15	04/30/14 11:48	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-8' EVELYN
Date Collected: 04/25/14 08:05
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Acetone	ND		47		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Benzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Dichlorobromomethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Bromobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Bromoform	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Bromomethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
2-Butanone (MEK)	ND		47		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
n-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
sec-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
tert-Butylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Carbon disulfide	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Carbon tetrachloride	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chloroethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chloroform	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chloromethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
2-Chlorotoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
4-Chlorotoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Chlorodibromomethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,3-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,4-Dichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,3-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2-Dibromo-3-Chloropropane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Ethylene Dibromide	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Dibromomethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Dichlorodifluoromethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1-Dichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2-Dichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
cis-1,2-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
trans-1,2-Dichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
cis-1,3-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
trans-1,3-Dichloropropene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Ethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Hexachlorobutadiene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
2-Hexanone	ND		47		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Isopropylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
4-Isopropyltoluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Methylene Chloride	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
4-Methyl-2-pentanone (MIBK)	ND		47		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Naphthalene	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
N-Propylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Styrene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1,1,2-Tetrachloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1

Client Sample ID: PS-3-8' EVELYN
Date Collected: 04/25/14 08:05
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-6
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Tetrachloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Toluene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2,3-Trichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2,4-Trichlorobenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1,1-Trichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1,2-Trichloroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Trichloroethene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Trichlorofluoromethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2,3-Trichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,2,4-Trimethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
1,3,5-Trimethylbenzene	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Vinyl acetate	ND		47		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Vinyl chloride	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Xylenes, Total	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
2,2-Dichloropropane	ND		4.7		ug/Kg		04/25/14 21:06	04/26/14 01:41	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		04/25/14 21:06	04/26/14 01:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*45 - 131*	*04/25/14 21:06*	*04/26/14 01:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*	*04/25/14 21:06*	*04/26/14 01:41*	*1*
Toluene-d8 (Surr)	*97*		*58 - 140*	*04/25/14 21:06*	*04/26/14 01:41*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*81*		*33 - 120*	*04/29/14 18:03*	*04/30/14 15:06*	*1*
Terphenyl-d14	*100*		*35 - 146*	*04/29/14 18:03*	*04/30/14 15:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 11:43	1

Client Sample ID: PS-3-8' EVELYN
Date Collected: 04/25/14 08:05
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-6
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		05/01/14 14:54	05/02/14 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*05/01/14 14:54*	*05/02/14 11:43*	*1*
p-Terphenyl	*65*		*38 - 148*	*05/01/14 14:54*	*05/02/14 11:43*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*57 - 122*	*05/01/14 16:02*	*05/02/14 15:11*	*1*
DCB Decachlorobiphenyl	*103*		*21 - 136*	*05/01/14 16:02*	*05/02/14 15:11*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 12:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*73*		*45 - 132*	*05/01/14 16:02*	*05/02/14 12:30*	*1*
DCB Decachlorobiphenyl	*80*		*42 - 146*	*05/01/14 16:02*	*05/02/14 12:30*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-8' EVELYN
Date Collected: 04/25/14 08:05
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-6
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Arsenic	**2.4**		0.93		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Barium	**96**		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Beryllium	ND		0.093		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Chromium	**36**		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Cobalt	**7.5**		0.19		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Copper	**18**		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Lead	**4.7**		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Molybdenum	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Nickel	**39**		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Selenium	ND		0.93		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Thallium	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:13	1
Vanadium	**33**		0.47		mg/Kg		04/29/14 13:12	04/30/14 20:41	1
Zinc	**32**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:41	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.065**		0.0094		mg/Kg		04/29/14 13:15	04/30/14 11:55	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-1.5' EVELYN
Date Collected: 04/25/14 08:10
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Acetone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Benzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Bromoform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Bromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chloroethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chloroform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chloromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Dibromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
2-Hexanone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Methylene Chloride	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Naphthalene	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Styrene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1

Client Sample ID: PS-4-1.5' EVELYN
Date Collected: 04/25/14 08:10
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-7
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Toluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Xylenes, Total	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 02:10	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 02:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*04/25/14 21:06*	*04/26/14 02:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*	*04/25/14 21:06*	*04/26/14 02:10*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*04/25/14 21:06*	*04/26/14 02:10*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 15:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*33 - 120*	*04/29/14 18:03*	*04/30/14 15:30*	*1*
Terphenyl-d14	*90*		*35 - 146*	*04/29/14 18:03*	*04/30/14 15:30*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 12:07	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-1.5' EVELYN
Date Collected: 04/25/14 08:10
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-7
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.01*		*0 - 1*	*05/01/14 14:54*	*05/02/14 12:07*	*1*
p-Terphenyl	*76*		*38 - 148*	*05/01/14 14:54*	*05/02/14 12:07*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 15:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*99*		*57 - 122*	*05/01/14 16:02*	*05/02/14 15:29*	*1*
DCB Decachlorobiphenyl	*112*		*21 - 136*	*05/01/14 16:02*	*05/02/14 15:29*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*45 - 132*	*05/01/14 16:02*	*05/02/14 12:47*	*1*
DCB Decachlorobiphenyl	*86*		*42 - 146*	*05/01/14 16:02*	*05/02/14 12:47*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-1.5' EVELYN
Date Collected: 04/25/14 08:10
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-7
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Arsenic	**3.5**		0.93		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Barium	**140**		0.46		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Beryllium	ND		0.093		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Chromium	**47**		0.46		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Cobalt	**10**		0.19		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Copper	**25**		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Lead	**5.2**		0.46		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Molybdenum	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Nickel	**53**		0.46		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Selenium	ND		0.93		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Thallium	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 21:18	1
Vanadium	**39**		0.46		mg/Kg		04/29/14 13:12	04/30/14 20:45	1
Zinc	**40**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:45	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.056**		0.010		mg/Kg		04/29/14 13:15	04/30/14 11:58	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-7' EVELYN
Date Collected: 04/25/14 08:14
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Acetone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Benzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Dichlorobromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Bromobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Bromoform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Bromomethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
2-Butanone (MEK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
n-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
sec-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
tert-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Carbon disulfide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Carbon tetrachloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chloroethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chloroform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chloromethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
2-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
4-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Chlorodibromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,3-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2-Dibromo-3-Chloropropane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Ethylene Dibromide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Dibromomethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Dichlorodifluoromethane	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Ethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Hexachlorobutadiene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
2-Hexanone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Isopropylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
4-Isopropyltoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Methylene Chloride	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Naphthalene	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
N-Propylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Styrene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1

Client Sample ID: PS-4-7' EVELYN
Date Collected: 04/25/14 08:14
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-8
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Tetrachloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Toluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Trichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Trichlorofluoromethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Vinyl acetate	ND		48		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Vinyl chloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Xylenes, Total	ND		9.6		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
2,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 02:39	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/26/14 02:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*90*		*45 - 131*	*04/25/14 21:06*	*04/26/14 02:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*	*04/25/14 21:06*	*04/26/14 02:39*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 02:39*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Acenaphthylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Chrysene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Fluoranthene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Fluorene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Naphthalene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Phenanthrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1
Pyrene	ND		4.9		ug/Kg		04/29/14 18:03	04/30/14 15:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*75*		*33 - 120*	*04/29/14 18:03*	*04/30/14 15:53*	*1*
Terphenyl-d14	*94*		*35 - 146*	*04/29/14 18:03*	*04/30/14 15:53*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 18:54	1

Client Sample ID: PS-4-7' EVELYN
Date Collected: 04/25/14 08:14
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-8
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		05/01/14 14:54	05/02/14 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*05/01/14 14:54*	*05/02/14 18:54*	*1*
p-Terphenyl	*82*		*38 - 148*	*05/01/14 14:54*	*05/02/14 18:54*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Dieldrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endrin aldehyde	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endrin ketone	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Heptachlor	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
4,4'-DDT	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
4,4'-DDE	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
4,4'-DDD	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endosulfan I	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endosulfan II	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
alpha-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
beta-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
delta-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Methoxychlor	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Toxaphene	ND		40		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
Chlordane (technical)	ND		40		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
alpha-Chlordane	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1
gamma-Chlordane	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 22:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*91*		*57 - 122*	*05/03/14 09:12*	*05/03/14 22:19*	*1*
DCB Decachlorobiphenyl	*85*		*21 - 136*	*05/03/14 09:12*	*05/03/14 22:19*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1221	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1232	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1242	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1248	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1254	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1
PCB-1260	ND		50		ug/Kg		05/03/14 09:15	05/03/14 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*61*		*45 - 132*	*05/03/14 09:15*	*05/03/14 14:52*	*1*
DCB Decachlorobiphenyl	*76*		*42 - 146*	*05/03/14 09:15*	*05/03/14 14:52*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-7' EVELYN
Date Collected: 04/25/14 08:14
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-8
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.48		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Arsenic	**3.3**		0.96		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Barium	**140**		0.48		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Beryllium	ND		0.096		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Chromium	**41**		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Cobalt	**9.2**		0.19		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Copper	**22**		1.4		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Lead	**4.8**		0.48		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Molybdenum	ND		0.48		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Nickel	**46**		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Selenium	ND		0.96		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Silver	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Thallium	ND		0.48		mg/Kg		04/29/14 13:12	05/01/14 21:23	1
Vanadium	**38**		0.48		mg/Kg		04/29/14 13:12	04/30/14 20:49	1
Zinc	**36**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 20:49	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.078**		0.0095		mg/Kg		04/29/14 13:15	04/30/14 12:00	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN/MARSHALL
Date Collected: 04/25/14 08:41
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Acetone	ND		46		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Benzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Dichlorobromomethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Bromobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Bromoform	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Bromomethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
2-Butanone (MEK)	ND		46		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
n-Butylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
sec-Butylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
tert-Butylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Carbon disulfide	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Carbon tetrachloride	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chloroethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chloroform	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chloromethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
2-Chlorotoluene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
4-Chlorotoluene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Chlorodibromomethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2-Dichlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,3-Dichlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,4-Dichlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,3-Dichloropropane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1-Dichloropropene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2-Dibromo-3-Chloropropane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Ethylene Dibromide	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Dibromomethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Dichlorodifluoromethane	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1-Dichloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2-Dichloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1-Dichloroethene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
cis-1,2-Dichloroethene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
trans-1,2-Dichloroethene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2-Dichloropropane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
cis-1,3-Dichloropropene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
trans-1,3-Dichloropropene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Ethylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Hexachlorobutadiene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
2-Hexanone	ND		46		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Isopropylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
4-Isopropyltoluene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Methylene Chloride	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
4-Methyl-2-pentanone (MIBK)	ND		46		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Naphthalene	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
N-Propylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Styrene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1,1,2-Tetrachloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1

Client Sample ID: PS-1-1' EVELYN/MARSHALL
Date Collected: 04/25/14 08:41
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-9
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Tetrachloroethene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Toluene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2,3-Trichlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2,4-Trichlorobenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1,1-Trichloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1,2-Trichloroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Trichloroethene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Trichlorofluoromethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2,3-Trichloropropane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,2,4-Trimethylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
1,3,5-Trimethylbenzene	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Vinyl acetate	ND		46		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Vinyl chloride	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Xylenes, Total	ND		9.3		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
2,2-Dichloropropane	ND		4.6		ug/Kg		04/25/14 21:06	04/26/14 03:09	1
Gasoline Range Organics (GRO) -C5-C12	ND		230		ug/Kg		04/25/14 21:06	04/26/14 03:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*04/25/14 21:06*	*04/26/14 03:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*04/25/14 21:06*	*04/26/14 03:09*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 03:09*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*54*		*33 - 120*	*04/30/14 17:43*	*05/01/14 20:58*	*1*
Terphenyl-d14	*72*		*35 - 146*	*04/30/14 17:43*	*05/01/14 20:58*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 19:23	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN/MARSHALL
Date Collected: 04/25/14 08:41
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-9
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*05/01/14 14:54*	*05/02/14 19:23*	*1*
p-Terphenyl	*94*		*38 - 148*	*05/01/14 14:54*	*05/02/14 19:23*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Dieldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endrin aldehyde	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endrin ketone	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Heptachlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Heptachlor epoxide	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
4,4'-DDT	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
4,4'-DDE	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
4,4'-DDD	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endosulfan I	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endosulfan II	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
alpha-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
beta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
delta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Endosulfan sulfate	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Methoxychlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
alpha-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1
gamma-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*92*		*57 - 122*	*05/01/14 16:02*	*05/02/14 16:05*	*1*
DCB Decachlorobiphenyl	*108*		*21 - 136*	*05/01/14 16:02*	*05/02/14 16:05*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1221	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1232	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1242	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1248	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1254	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1
PCB-1260	ND		48		ug/Kg		05/01/14 16:02	05/02/14 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:20*	*1*
DCB Decachlorobiphenyl	*84*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:20*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN/MARSHALL
Date Collected: 04/25/14 08:41
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-9
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Arsenic	**3.2**		0.89		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Barium	**110**		0.45		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Beryllium	ND		0.089		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Cadmium	ND		0.11		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Chromium	**45**		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Cobalt	**9.0**		0.18		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Copper	**21**		1.3		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Lead	**4.7**		0.45		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Molybdenum	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Nickel	**49**		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Selenium	ND		0.89		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Silver	ND		0.22		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Thallium	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 21:28	1
Vanadium	**36**		0.45		mg/Kg		04/29/14 13:12	04/30/14 20:54	1
Zinc	**35**	**B**	1.3		mg/Kg		04/29/14 13:12	04/30/14 20:54	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**		0.0087		mg/Kg		04/29/14 13:15	04/30/14 12:02	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Date Collected: 04/25/14 08:48
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Acetone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Benzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Dichlorobromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Bromobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Bromoform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Bromomethane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
2-Butanone (MEK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
n-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
sec-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
tert-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Carbon disulfide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Carbon tetrachloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chloroethane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chloroform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chloromethane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
2-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
4-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Chlorodibromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,3-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2-Dibromo-3-Chloropropane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Ethylene Dibromide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Dibromomethane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Dichlorodifluoromethane	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Ethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Hexachlorobutadiene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
2-Hexanone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Isopropylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
4-Isopropyltoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Methylene Chloride	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Naphthalene	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
N-Propylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Styrene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Date Collected: 04/25/14 08:48
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-10
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Tetrachloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Toluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Trichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Trichlorofluoromethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Vinyl acetate	ND		48		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Vinyl chloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Xylenes, Total	ND		9.5		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
2,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 03:38	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/26/14 03:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*04/25/14 21:06*	*04/26/14 03:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*	*04/25/14 21:06*	*04/26/14 03:38*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*04/25/14 21:06*	*04/26/14 03:38*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 20:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*59*		*33 - 120*	*04/30/14 17:43*	*05/01/14 20:34*	*1*
Terphenyl-d14	*69*		*35 - 146*	*04/30/14 17:43*	*05/01/14 20:34*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 14:54	05/02/14 19:53	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Date Collected: 04/25/14 08:48
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-10
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 19:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*05/01/14 14:54*	*05/02/14 19:53*	*1*
p-Terphenyl	*89*		*38 - 148*	*05/01/14 14:54*	*05/02/14 19:53*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*94*		*57 - 122*	*05/01/14 16:02*	*05/02/14 16:23*	*1*
DCB Decachlorobiphenyl	*110*		*21 - 136*	*05/01/14 16:02*	*05/02/14 16:23*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 13:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:37*	*1*
DCB Decachlorobiphenyl	*84*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:37*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Date Collected: 04/25/14 08:48
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-10
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Arsenic	**3.3**		0.88		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Barium	**110**		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Beryllium	ND		0.088		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Cadmium	ND		0.11		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Chromium	**41**		0.44		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Cobalt	**8.9**		0.18		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Copper	**23**		1.3		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Lead	**4.9**		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Molybdenum	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Nickel	**47**		0.44		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Selenium	ND		0.88		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Silver	ND		0.22		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Thallium	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:33	1
Vanadium	**36**		0.44		mg/Kg		04/29/14 13:12	04/30/14 20:58	1
Zinc	**37**	**B**	1.3		mg/Kg		04/29/14 13:12	04/30/14 20:58	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.058**		0.010		mg/Kg		04/29/14 13:15	04/30/14 12:05	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-8' EVELYN/MARSHALL
Date Collected: 04/25/14 08:50
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Acetone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Benzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Dichlorobromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Bromobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Bromoform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Bromomethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
2-Butanone (MEK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
n-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
sec-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
tert-Butylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Carbon disulfide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Carbon tetrachloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chloroethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chloroform	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chloromethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
2-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
4-Chlorotoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Chlorodibromomethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,3-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,4-Dichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,3-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Ethylene Dibromide	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Dibromomethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2-Dichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
cis-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
trans-1,2-Dichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
cis-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
trans-1,3-Dichloropropene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Ethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Hexachlorobutadiene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
2-Hexanone	ND		48		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Isopropylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
4-Isopropyltoluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Methylene Chloride	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
4-Methyl-2-pentanone (MIBK)	ND		48		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Naphthalene	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
N-Propylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Styrene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1,1,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-8' EVELYN/MARSHALL
Date Collected: 04/25/14 08:50
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-11
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Tetrachloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Toluene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2,3-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2,4-Trichlorobenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1,1-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1,2-Trichloroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Trichloroethene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Trichlorofluoromethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2,3-Trichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,2,4-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
1,3,5-Trimethylbenzene	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Vinyl acetate	ND		48		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Vinyl chloride	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Xylenes, Total	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
2,2-Dichloropropane	ND		4.8		ug/Kg		04/25/14 21:06	04/26/14 04:06	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/26/14 04:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*89*		*45 - 131*	*04/25/14 21:06*	*04/26/14 04:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*	*04/25/14 21:06*	*04/26/14 04:06*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 04:06*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Naphthalene	**5.6**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*50*		*33 - 120*	*04/30/14 17:43*	*05/01/14 21:21*	*1*
Terphenyl-d14	*68*		*35 - 146*	*04/30/14 17:43*	*05/01/14 21:21*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 20:22	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-8' EVELYN/MARSHALL
Date Collected: 04/25/14 08:50
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-11
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0*		*0 - 1*	*05/01/14 14:54*	*05/02/14 20:22*	*1*
p-Terphenyl	*74*		*38 - 148*	*05/01/14 14:54*	*05/02/14 20:22*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 16:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*97*		*57 - 122*	*05/01/14 16:02*	*05/02/14 16:42*	*1*
DCB Decachlorobiphenyl	*117*		*21 - 136*	*05/01/14 16:02*	*05/02/14 16:42*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 132*	*05/01/14 16:02*	*05/02/14 13:53*	*1*
DCB Decachlorobiphenyl	*88*		*42 - 146*	*05/01/14 16:02*	*05/02/14 13:53*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-8' EVELYN/MARSHALL
Date Collected: 04/25/14 08:50
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-11
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Arsenic	**3.0**		0.88		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Barium	**110**		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Beryllium	ND		0.088		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Cadmium	ND		0.11		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Chromium	**41**		0.44		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Cobalt	**8.8**		0.18		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Copper	**20**		1.3		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Lead	**4.0**		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Molybdenum	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Nickel	**47**		0.44		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Selenium	ND		0.88		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Silver	ND		0.22		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Thallium	ND		0.44		mg/Kg		04/29/14 13:12	05/01/14 21:38	1
Vanadium	**40**		0.44		mg/Kg		04/29/14 13:12	04/30/14 21:02	1
Zinc	**33**	**B**	1.3		mg/Kg		04/29/14 13:12	04/30/14 21:02	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.048**		0.0091		mg/Kg		04/29/14 13:15	04/30/14 12:08	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Acetone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Benzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Dichlorobromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Bromobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Bromoform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Bromomethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
2-Butanone (MEK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
n-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
sec-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
tert-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Carbon disulfide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Carbon tetrachloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chloroethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chloroform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chloromethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
2-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
4-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Chlorodibromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,3-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Ethylene Dibromide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Dibromomethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Dichlorodifluoromethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Ethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Hexachlorobutadiene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
2-Hexanone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Isopropylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
4-Isopropyltoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Methylene Chloride	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Naphthalene	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
N-Propylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Styrene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-12
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Tetrachloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Toluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Trichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Trichlorofluoromethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Vinyl acetate	ND		50		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Vinyl chloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Xylenes, Total	ND		10		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
2,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 04:35	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 04:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*87*		*45 - 131*	*04/25/14 21:06*	*04/26/14 04:35*	*1*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*	*04/25/14 21:06*	*04/26/14 04:35*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 04:35*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Benzo[a]anthracene	**7.2**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Benzo[a]pyrene	**6.5**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Benzo[b]fluoranthene	**18**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Benzo[g,h,i]perylene	**7.4**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Benzo[k]fluoranthene	**6.7**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Chrysene	**11**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Fluoranthene	**11**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Indeno[1,2,3-cd]pyrene	**7.2**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1
Pyrene	**7.5**		5.0		ug/Kg		04/30/14 17:43	05/01/14 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*56*		*33 - 120*	*04/30/14 17:43*	*05/01/14 21:45*	*1*
Terphenyl-d14	*75*		*35 - 146*	*04/30/14 17:43*	*05/01/14 21:45*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**0.99**		0.99		mg/Kg		05/01/14 14:54	05/02/14 18:54	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-12
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 18:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.03*		*0 - 1*	*05/01/14 14:54*	*05/02/14 18:54*	*1*
p-Terphenyl	*90*		*38 - 148*	*05/01/14 14:54*	*05/02/14 18:54*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*102*		*57 - 122*	*05/01/14 16:02*	*05/02/14 17:00*	*1*
DCB Decachlorobiphenyl	*118*		*21 - 136*	*05/01/14 16:02*	*05/02/14 17:00*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 14:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*78*		*45 - 132*	*05/01/14 16:02*	*05/02/14 14:10*	*1*
DCB Decachlorobiphenyl	*89*		*42 - 146*	*05/01/14 16:02*	*05/02/14 14:10*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:00
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-12
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Arsenic	**3.2**		0.93		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Barium	**120**		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Beryllium	ND		0.093		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Chromium	**51**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Cobalt	**8.7**		0.19		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Copper	**22**		1.4		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Lead	**4.6**		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Molybdenum	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Nickel	**47**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Selenium	ND		0.93		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Thallium	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:43	1
Vanadium	**38**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:07	1
Zinc	**35**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 21:07	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.083**		0.0083		mg/Kg		04/29/14 13:15	04/30/14 12:10	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-12' EVELYN/MARSHALL
Date Collected: 04/25/14 09:09
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Acetone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Benzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chlorobromomethane	ND		19		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Bromoform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Bromomethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chloroethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chloroform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chloromethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2-Dibromo-3-Chloropropane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Dibromomethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Dichlorodifluoromethane	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
2-Hexanone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Methylene Chloride	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Naphthalene	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Styrene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1

Client Sample ID: PS-3-12' EVELYN/MARSHALL
Date Collected: 04/25/14 09:09
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-13
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Toluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Xylenes, Total	ND		9.7		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:05	1
Gasoline Range Organics (GRO) -C5-C12	ND		240		ug/Kg		04/25/14 21:06	04/26/14 05:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*04/25/14 21:06*	*04/26/14 05:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*	*04/25/14 21:06*	*04/26/14 05:05*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 05:05*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Acenaphthylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Chrysene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Fluorene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Naphthalene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Phenanthrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1
Pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*62*		*33 - 120*	*04/30/14 17:43*	*05/01/14 22:09*	*1*
Terphenyl-d14	*76*		*35 - 146*	*04/30/14 17:43*	*05/01/14 22:09*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 14:54	05/02/14 19:23	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-12' EVELYN/MARSHALL
Date Collected: 04/25/14 09:09
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-13
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		05/01/14 14:54	05/02/14 19:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*05/01/14 14:54*	*05/02/14 19:23*	*1*
p-Terphenyl	*94*		*38 - 148*	*05/01/14 14:54*	*05/02/14 19:23*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Dieldrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endrin aldehyde	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endrin	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endrin ketone	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Heptachlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Heptachlor epoxide	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
4,4'-DDT	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
4,4'-DDE	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
4,4'-DDD	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endosulfan I	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endosulfan II	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
alpha-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
beta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
gamma-BHC (Lindane)	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
delta-BHC	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Endosulfan sulfate	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Methoxychlor	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
alpha-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1
gamma-Chlordane	ND		1.9		ug/Kg		05/01/14 16:02	05/02/14 17:18	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*96*		*57 - 122*	*05/01/14 16:02*	*05/02/14 17:18*	*1*
DCB Decachlorobiphenyl	*116*		*21 - 136*	*05/01/14 16:02*	*05/02/14 17:18*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1221	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1232	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1242	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1248	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1254	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1
PCB-1260	ND		48		ug/Kg		05/01/14 16:02	05/02/14 14:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*77*		*45 - 132*	*05/01/14 16:02*	*05/02/14 14:27*	*1*
DCB Decachlorobiphenyl	*87*		*42 - 146*	*05/01/14 16:02*	*05/02/14 14:27*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-3-12' EVELYN/MARSHALL
Date Collected: 04/25/14 09:09
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-13
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Arsenic	**2.8**		1.9		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Barium	**110**		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Beryllium	ND		0.19		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Cadmium	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Chromium	**50**		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Cobalt	**15**		0.38		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Copper	**28**		2.8		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Lead	**3.5**		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Molybdenum	ND		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Nickel	**53**		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Selenium	ND		1.9		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Silver	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Thallium	ND		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Vanadium	**63**		0.94		mg/Kg		04/29/14 13:12	05/01/14 21:48	2
Zinc	**43**	**B**	2.8		mg/Kg		04/29/14 13:12	05/01/14 21:48	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.050**		0.0083		mg/Kg		04/29/14 13:15	04/30/14 12:12	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-2' EVELYN/MARSHALL
Date Collected: 04/25/14 09:20
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-14
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Acetone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Benzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Bromoform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Bromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chloroethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chloroform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chloromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Dibromomethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
2-Hexanone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Methylene Chloride	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Naphthalene	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Styrene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-2' EVELYN/MARSHALL — **Lab Sample ID: 720-57003-14**
Date Collected: 04/25/14 09:20 — **Matrix: Solid**
Date Received: 04/25/14 12:20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Toluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Xylenes, Total	ND		9.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 05:34	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 05:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*04/25/14 21:06*	*04/26/14 05:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*04/25/14 21:06*	*04/26/14 05:34*	*1*
Toluene-d8 (Surr)	*95*		*58 - 140*	*04/25/14 21:06*	*04/26/14 05:34*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 22:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*67*		*33 - 120*	*04/30/14 17:43*	*05/01/14 22:32*	*1*
Terphenyl-d14	*81*		*35 - 146*	*04/30/14 17:43*	*05/01/14 22:32*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**3.1**		1.0		mg/Kg		05/01/14 14:54	05/02/14 20:51	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-2' EVELYN/MARSHALL
Date Collected: 04/25/14 09:20
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-14
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 14:54	05/02/14 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.02*		*0 - 1*	*05/01/14 14:54*	*05/02/14 20:51*	*1*
p-Terphenyl	*92*		*38 - 148*	*05/01/14 14:54*	*05/02/14 20:51*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*100*		*57 - 122*	*05/01/14 16:02*	*05/02/14 17:36*	*1*
DCB Decachlorobiphenyl	*117*		*21 - 136*	*05/01/14 16:02*	*05/02/14 17:36*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*79*		*45 - 132*	*05/01/14 16:02*	*05/02/14 14:43*	*1*
DCB Decachlorobiphenyl	*88*		*42 - 146*	*05/01/14 16:02*	*05/02/14 14:43*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-2' EVELYN/MARSHALL
Date Collected: 04/25/14 09:20
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-14
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Arsenic	**2.6**		1.6		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Barium	**100**		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Beryllium	ND		0.16		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Cadmium	ND		0.20		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Chromium	**52**		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Cobalt	**11**		0.32		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Copper	**24**		2.4		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Lead	**9.3**		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Molybdenum	ND		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Nickel	**42**		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Selenium	ND		1.6		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Silver	ND		0.40		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Thallium	ND		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Vanadium	**50**		0.81		mg/Kg		04/29/14 13:12	05/01/14 21:52	2
Zinc	**47**	**B**	2.4		mg/Kg		04/29/14 13:12	05/01/14 21:52	2

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.052**		0.0097		mg/Kg		04/29/14 13:15	04/30/14 12:15	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-8' EVELYN/MARSHALL
Date Collected: 04/25/14 09:25
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-15
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Acetone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Benzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Dichlorobromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Bromobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Bromoform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Bromomethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
2-Butanone (MEK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
n-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
sec-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
tert-Butylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Carbon disulfide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Carbon tetrachloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chloroethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chloroform	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chloromethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
2-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
4-Chlorotoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Chlorodibromomethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,3-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Ethylene Dibromide	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Dibromomethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Dichlorodifluoromethane	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2-Dichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Ethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Hexachlorobutadiene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
2-Hexanone	ND		50		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Isopropylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
4-Isopropyltoluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Methylene Chloride	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Naphthalene	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
N-Propylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Styrene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1

Client Sample ID: PS-4-8' EVELYN/MARSHALL
Date Collected: 04/25/14 09:25
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-15
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Tetrachloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Toluene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Trichloroethene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Trichlorofluoromethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Vinyl acetate	ND		50		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Vinyl chloride	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Xylenes, Total	ND		10		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
2,2-Dichloropropane	ND		5.0		ug/Kg		04/25/14 21:06	04/26/14 06:03	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 06:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*88*		*45 - 131*	*04/25/14 21:06*	*04/26/14 06:03*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*04/25/14 21:06*	*04/26/14 06:03*	*1*
Toluene-d8 (Surr)	*96*		*58 - 140*	*04/25/14 21:06*	*04/26/14 06:03*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Acenaphthylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Chrysene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Fluorene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Naphthalene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Phenanthrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1
Pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 22:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*33 - 120*	*04/30/14 17:43*	*05/01/14 22:56*	*1*
Terphenyl-d14	*86*		*35 - 146*	*04/30/14 17:43*	*05/01/14 22:56*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 19:09	05/02/14 20:51	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-8' EVELYN/MARSHALL
Date Collected: 04/25/14 09:25
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-15
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 19:09	05/02/14 20:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.006*		*0 - 1*	*05/01/14 19:09*	*05/02/14 20:51*	*1*
p-Terphenyl	*105*		*38 - 148*	*05/01/14 19:09*	*05/02/14 20:51*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 17:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*103*		*57 - 122*	*05/01/14 16:02*	*05/02/14 17:53*	*1*
DCB Decachlorobiphenyl	*116*		*21 - 136*	*05/01/14 16:02*	*05/02/14 17:53*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*81*		*45 - 132*	*05/01/14 16:02*	*05/02/14 15:00*	*1*
DCB Decachlorobiphenyl	*89*		*42 - 146*	*05/01/14 16:02*	*05/02/14 15:00*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-4-8' EVELYN/MARSHALL
Date Collected: 04/25/14 09:25
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-15
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.49		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Arsenic	**2.7**		0.97		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Barium	**84**		0.49		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Beryllium	ND		0.097		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Chromium	**50**		0.49		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Cobalt	**9.0**		0.19		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Copper	**19**		1.5		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Lead	**4.3**		0.49		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Molybdenum	ND		0.49		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Nickel	**55**		0.49		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Selenium	ND		0.97		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Silver	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Thallium	ND		0.49		mg/Kg		04/29/14 13:12	05/01/14 22:08	1
Vanadium	**42**		0.49		mg/Kg		04/29/14 13:12	04/30/14 21:28	1
Zinc	**33**	**B**	1.5		mg/Kg		04/29/14 13:12	04/30/14 21:28	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.060**		0.0083		mg/Kg		04/29/14 13:15	04/30/14 12:17	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:30
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Acetone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Benzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Bromoform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Bromomethane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chloroethane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chloroform	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chloromethane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Dibromomethane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Dichlorodifluoromethane	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
2-Hexanone	ND		49		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Methylene Chloride	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Naphthalene	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Styrene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:30
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-16
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Toluene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Xylenes, Total	ND		9.8		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 21:06	04/26/14 06:32	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 21:06	04/26/14 06:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*82*		*45 - 131*	*04/25/14 21:06*	*04/26/14 06:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*91*		*60 - 140*	*04/25/14 21:06*	*04/26/14 06:32*	*1*
Toluene-d8 (Surr)	*93*		*58 - 140*	*04/25/14 21:06*	*04/26/14 06:32*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 23:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*33 - 120*	*04/30/14 17:43*	*05/01/14 23:19*	*1*
Terphenyl-d14	*61*		*35 - 146*	*04/30/14 17:43*	*05/01/14 23:19*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.3**		0.99		mg/Kg		05/01/14 19:09	05/02/14 21:20	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:30
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-16
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		05/01/14 19:09	05/02/14 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.004*		*0 - 1*	*05/01/14 19:09*	*05/02/14 21:20*	*1*
p-Terphenyl	*94*		*38 - 148*	*05/01/14 19:09*	*05/02/14 21:20*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Toxaphene	ND		39		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
Chlordane (technical)	ND		39		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*89*		*57 - 122*	*05/01/14 16:02*	*05/02/14 18:11*	*1*
DCB Decachlorobiphenyl	*99*		*21 - 136*	*05/01/14 16:02*	*05/02/14 18:11*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1221	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1232	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1242	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1248	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1254	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1
PCB-1260	ND		49		ug/Kg		05/01/14 16:02	05/02/14 17:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*71*		*45 - 132*	*05/01/14 16:02*	*05/02/14 17:55*	*1*
DCB Decachlorobiphenyl	*83*		*42 - 146*	*05/01/14 16:02*	*05/02/14 17:55*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL
Lab Sample ID: 720-57003-16
Date Collected: 04/25/14 09:30
Matrix: Solid
Date Received: 04/25/14 12:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Arsenic	**3.7**		0.91		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Barium	**140**		0.45		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Beryllium	ND		0.091		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Cadmium	**0.13**		0.11		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Chromium	**43**		0.45		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Cobalt	**9.5**		0.18		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Copper	**24**		1.4		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Lead	**9.5**		0.45		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Molybdenum	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Nickel	**53**		0.45		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Selenium	ND		0.91		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Thallium	ND		0.45		mg/Kg		04/29/14 13:12	05/01/14 22:13	1
Vanadium	**37**		0.45		mg/Kg		04/29/14 13:12	04/30/14 21:33	1
Zinc	**43**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 21:33	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.076**		0.0088		mg/Kg		04/29/14 13:15	04/30/14 12:24	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Date Collected: 04/25/14 09:34
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-17
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Acetone	ND		49		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Benzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Bromoform	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Bromomethane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chloroethane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chloroform	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chloromethane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2-Dibromo-3-Chloropropane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Dibromomethane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Dichlorodifluoromethane	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
2-Hexanone	ND		49		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Methylene Chloride	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Naphthalene	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Styrene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Date Collected: 04/25/14 09:34
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-17
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Toluene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Xylenes, Total	ND		9.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/26/14 05:47	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 20:45	04/26/14 05:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*86*		*45 - 131*	*04/25/14 20:45*	*04/26/14 05:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*60 - 140*	*04/25/14 20:45*	*04/26/14 05:47*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*04/25/14 20:45*	*04/26/14 05:47*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Acenaphthylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Benzo[a]anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Benzo[a]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Benzo[b]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Benzo[g,h,i]perylene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Benzo[k]fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Chrysene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Dibenz(a,h)anthracene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Fluoranthene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Fluorene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Indeno[1,2,3-cd]pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Naphthalene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Phenanthrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1
Pyrene	ND		4.9		ug/Kg		04/30/14 17:43	05/01/14 23:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*52*		*33 - 120*	*04/30/14 17:43*	*05/01/14 23:43*	*1*
Terphenyl-d14	*65*		*35 - 146*	*04/30/14 17:43*	*05/01/14 23:43*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	**1.7**		1.0		mg/Kg		05/02/14 10:27	05/02/14 23:47	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Date Collected: 04/25/14 09:34
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-17
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/02/14 10:27	05/02/14 23:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.002*		*0 - 1*	*05/02/14 10:27*	*05/02/14 23:47*	*1*
p-Terphenyl	*84*		*38 - 148*	*05/02/14 10:27*	*05/02/14 23:47*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*66*		*57 - 122*	*05/01/14 16:02*	*05/02/14 18:29*	*1*
DCB Decachlorobiphenyl	*74*		*21 - 136*	*05/01/14 16:02*	*05/02/14 18:29*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*59*		*45 - 132*	*05/01/14 16:02*	*05/02/14 18:12*	*1*
DCB Decachlorobiphenyl	*68*		*42 - 146*	*05/01/14 16:02*	*05/02/14 18:12*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Date Collected: 04/25/14 09:34
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-17
Matrix: Solid

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Arsenic	**3.2**		0.92		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Barium	**100**		0.46		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Beryllium	ND		0.092		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Cadmium	**0.11**		0.11		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Chromium	**42**		0.46		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Cobalt	**9.5**		0.18		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Copper	**22**		1.4		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Lead	**4.6**		0.46		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Molybdenum	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Nickel	**50**		0.46		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Selenium	ND		0.92		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Silver	ND		0.23		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Thallium	ND		0.46		mg/Kg		04/29/14 13:12	05/01/14 22:17	1
Vanadium	**39**		0.46		mg/Kg		04/29/14 13:12	04/30/14 21:37	1
Zinc	**34**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 21:37	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.076**		0.0092		mg/Kg		04/29/14 13:15	04/30/14 12:27	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:38
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Acetone	ND		49		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Benzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Dichlorobromomethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Bromobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chlorobromomethane	ND		20		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Bromoform	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Bromomethane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
2-Butanone (MEK)	ND		49		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
n-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
sec-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
tert-Butylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Carbon disulfide	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Carbon tetrachloride	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chloroethane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chloroform	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chloromethane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
2-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
4-Chlorotoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Chlorodibromomethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,3-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,4-Dichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,3-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2-Dibromo-3-Chloropropane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Ethylene Dibromide	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Dibromomethane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Dichlorodifluoromethane	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1-Dichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2-Dichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
cis-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
trans-1,2-Dichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
cis-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
trans-1,3-Dichloropropene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Ethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Hexachlorobutadiene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
2-Hexanone	ND		49		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Isopropylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
4-Isopropyltoluene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Methylene Chloride	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
4-Methyl-2-pentanone (MIBK)	ND		49		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Naphthalene	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
N-Propylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Styrene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1,1,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:38
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-18
Matrix: Solid

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,2,2-Tetrachloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Tetrachloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Toluene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2,3-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2,4-Trichlorobenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1,1-Trichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1,2-Trichloroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Trichloroethene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Trichlorofluoromethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2,3-Trichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,2,4-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
1,3,5-Trimethylbenzene	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Vinyl acetate	ND		49		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Vinyl chloride	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Xylenes, Total	ND		9.8		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
2,2-Dichloropropane	ND		4.9		ug/Kg		04/25/14 20:45	04/25/14 23:34	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg		04/25/14 20:45	04/25/14 23:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*84*		*45 - 131*	*04/25/14 20:45*	*04/25/14 23:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*60 - 140*	*04/25/14 20:45*	*04/25/14 23:34*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*	*04/25/14 20:45*	*04/25/14 23:34*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/02/14 00:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*58*		*33 - 120*	*04/30/14 17:43*	*05/02/14 00:06*	*1*
Terphenyl-d14	*71*		*35 - 146*	*04/30/14 17:43*	*05/02/14 00:06*	*1*

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		0.99		mg/Kg		05/01/14 19:09	05/02/14 20:22	1

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Date Collected: 04/25/14 09:38
Date Received: 04/25/14 12:20

Lab Sample ID: 720-57003-18
Matrix: Solid

Method: 8015B - Diesel Range Organics (DRO) (GC) - Silica Gel Cleanup (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Motor Oil Range Organics [C24-C36]	ND		49		mg/Kg		05/01/14 19:09	05/02/14 20:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*05/01/14 19:09*	*05/02/14 20:22*	*1*
p-Terphenyl	*92*		*38 - 148*	*05/01/14 19:09*	*05/02/14 20:22*	*1*

Method: 8081A - Organochlorine Pesticides (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 18:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*83*		*57 - 122*	*05/01/14 16:02*	*05/02/14 18:47*	*1*
DCB Decachlorobiphenyl	*98*		*21 - 136*	*05/01/14 16:02*	*05/02/14 18:47*	*1*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 18:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*67*		*45 - 132*	*05/01/14 16:02*	*05/02/14 18:28*	*1*
DCB Decachlorobiphenyl	*80*		*42 - 146*	*05/01/14 16:02*	*05/02/14 18:28*	*1*

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Lab Sample ID: 720-57003-18
Date Collected: 04/25/14 09:38
Matrix: Solid
Date Received: 04/25/14 12:20

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Arsenic	**3.2**		0.94		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Barium	**94**		0.47		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Beryllium	ND		0.094		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Cadmium	ND		0.12		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Chromium	**57**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Cobalt	**8.1**		0.19		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Copper	**22**		1.4		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Lead	**4.7**		0.47		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Molybdenum	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Nickel	**51**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Selenium	ND		0.94		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Silver	ND		0.24		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Thallium	ND		0.47		mg/Kg		04/29/14 13:12	05/01/14 22:23	1
Vanadium	**37**		0.47		mg/Kg		04/29/14 13:12	04/30/14 21:41	1
Zinc	**37**	**B**	1.4		mg/Kg		04/29/14 13:12	04/30/14 21:41	1

Method: 7471A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**		0.0098		mg/Kg		04/29/14 13:15	04/30/14 12:29	1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 720-158142/5
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			04/25/14 19:50	1
Acetone	ND		50		ug/Kg			04/25/14 19:50	1
Benzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Dichlorobromomethane	ND		5.0		ug/Kg			04/25/14 19:50	1
Bromobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Chlorobromomethane	ND		20		ug/Kg			04/25/14 19:50	1
Bromoform	ND		5.0		ug/Kg			04/25/14 19:50	1
Bromomethane	ND		10		ug/Kg			04/25/14 19:50	1
2-Butanone (MEK)	ND		50		ug/Kg			04/25/14 19:50	1
n-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
sec-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
tert-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Carbon disulfide	ND		5.0		ug/Kg			04/25/14 19:50	1
Carbon tetrachloride	ND		5.0		ug/Kg			04/25/14 19:50	1
Chlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Chloroethane	ND		10		ug/Kg			04/25/14 19:50	1
Chloroform	ND		5.0		ug/Kg			04/25/14 19:50	1
Chloromethane	ND		10		ug/Kg			04/25/14 19:50	1
2-Chlorotoluene	ND		5.0		ug/Kg			04/25/14 19:50	1
4-Chlorotoluene	ND		5.0		ug/Kg			04/25/14 19:50	1
Chlorodibromomethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,3-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			04/25/14 19:50	1
Ethylene Dibromide	ND		5.0		ug/Kg			04/25/14 19:50	1
Dibromomethane	ND		10		ug/Kg			04/25/14 19:50	1
Dichlorodifluoromethane	ND		10		ug/Kg			04/25/14 19:50	1
1,1-Dichloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2-Dichloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:50	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:50	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:50	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:50	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:50	1
Ethylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Hexachlorobutadiene	ND		5.0		ug/Kg			04/25/14 19:50	1
2-Hexanone	ND		50		ug/Kg			04/25/14 19:50	1
Isopropylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
4-Isopropyltoluene	ND		5.0		ug/Kg			04/25/14 19:50	1
Methylene Chloride	ND		10		ug/Kg			04/25/14 19:50	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			04/25/14 19:50	1
Naphthalene	ND		10		ug/Kg			04/25/14 19:50	1
N-Propylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Styrene	ND		5.0		ug/Kg			04/25/14 19:50	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-158142/5
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
Tetrachloroethene	ND		5.0		ug/Kg			04/25/14 19:50	1
Toluene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
Trichloroethene	ND		5.0		ug/Kg			04/25/14 19:50	1
Trichlorofluoromethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			04/25/14 19:50	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			04/25/14 19:50	1
Vinyl acetate	ND		50		ug/Kg			04/25/14 19:50	1
Vinyl chloride	ND		5.0		ug/Kg			04/25/14 19:50	1
Xylenes, Total	ND		10		ug/Kg			04/25/14 19:50	1
2,2-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:50	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			04/25/14 19:50	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*45 - 131*		*04/25/14 19:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*88*		*60 - 140*		*04/25/14 19:50*	*1*
Toluene-d8 (Surr)	*98*		*58 - 140*		*04/25/14 19:50*	*1*

Lab Sample ID: LCS 720-158142/6
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	50.5		ug/Kg		101	70 - 144
Acetone	250	214		ug/Kg		86	30 - 162
Benzene	50.0	49.3		ug/Kg		99	70 - 130
Dichlorobromomethane	50.0	51.6		ug/Kg		103	70 - 131
Bromobenzene	50.0	50.8		ug/Kg		102	70 - 130
Chlorobromomethane	50.0	55.5		ug/Kg		111	70 - 130
Bromoform	50.0	56.9		ug/Kg		114	59 - 158
Bromomethane	50.0	48.9		ug/Kg		98	59 - 132
2-Butanone (MEK)	250	220		ug/Kg		88	53 - 124
n-Butylbenzene	50.0	50.9		ug/Kg		102	70 - 142
sec-Butylbenzene	50.0	51.0		ug/Kg		102	70 - 136
tert-Butylbenzene	50.0	52.2		ug/Kg		104	70 - 130
Carbon disulfide	50.0	41.9		ug/Kg		84	60 - 140
Carbon tetrachloride	50.0	58.6		ug/Kg		117	70 - 138
Chlorobenzene	50.0	52.6		ug/Kg		105	70 - 130
Chloroethane	50.0	47.4		ug/Kg		95	65 - 130
Chloroform	50.0	49.8		ug/Kg		100	77 - 127

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-158142/6
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloromethane	50.0	44.7		ug/Kg		89	55 - 140
2-Chlorotoluene	50.0	48.9		ug/Kg		98	70 - 138
4-Chlorotoluene	50.0	47.8		ug/Kg		96	70 - 136
Chlorodibromomethane	50.0	57.3		ug/Kg		115	70 - 146
1,2-Dichlorobenzene	50.0	52.5		ug/Kg		105	70 - 130
1,3-Dichlorobenzene	50.0	53.0		ug/Kg		106	70 - 131
1,4-Dichlorobenzene	50.0	53.3		ug/Kg		107	70 - 130
1,3-Dichloropropane	50.0	50.1		ug/Kg		100	70 - 140
1,1-Dichloropropene	50.0	52.0		ug/Kg		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	49.9		ug/Kg		100	60 - 145
Ethylene Dibromide	50.0	54.4		ug/Kg		109	70 - 140
Dibromomethane	50.0	51.9		ug/Kg		104	70 - 139
Dichlorodifluoromethane	50.0	45.2		ug/Kg		90	37 - 158
1,1-Dichloroethane	50.0	48.5		ug/Kg		97	70 - 130
1,2-Dichloroethane	50.0	47.3		ug/Kg		95	70 - 130
1,1-Dichloroethene	50.0	51.0		ug/Kg		102	76 - 122
cis-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 138
trans-1,2-Dichloroethene	50.0	50.8		ug/Kg		102	67 - 130
1,2-Dichloropropane	50.0	48.6		ug/Kg		97	73 - 127
cis-1,3-Dichloropropene	50.0	51.3		ug/Kg		103	68 - 147
trans-1,3-Dichloropropene	50.0	55.4		ug/Kg		111	70 - 136
Ethylbenzene	50.0	50.0		ug/Kg		100	80 - 137
Hexachlorobutadiene	50.0	54.6		ug/Kg		109	70 - 132
2-Hexanone	250	221		ug/Kg		89	44 - 133
Isopropylbenzene	50.0	55.3		ug/Kg		111	88 - 128
4-Isopropyltoluene	50.0	52.6		ug/Kg		105	70 - 133
Methylene Chloride	50.0	44.8		ug/Kg		90	70 - 134
4-Methyl-2-pentanone (MIBK)	250	229		ug/Kg		92	60 - 160
Naphthalene	50.0	54.9		ug/Kg		110	60 - 147
N-Propylbenzene	50.0	47.7		ug/Kg		95	70 - 130
Styrene	50.0	53.6		ug/Kg		107	70 - 130
1,1,1,2-Tetrachloroethane	50.0	58.2		ug/Kg		116	70 - 130
1,1,2,2-Tetrachloroethane	50.0	47.1		ug/Kg		94	70 - 146
Tetrachloroethene	50.0	58.8		ug/Kg		118	70 - 132
Toluene	50.0	46.2		ug/Kg		92	80 - 128
1,2,3-Trichlorobenzene	50.0	57.3		ug/Kg		115	60 - 140
1,2,4-Trichlorobenzene	50.0	57.1		ug/Kg		114	60 - 140
1,1,1-Trichloroethane	50.0	54.0		ug/Kg		108	70 - 130
1,1,2-Trichloroethane	50.0	52.2		ug/Kg		104	70 - 130
Trichloroethene	50.0	53.6		ug/Kg		107	70 - 133
Trichlorofluoromethane	50.0	50.5		ug/Kg		101	60 - 140
1,2,3-Trichloropropane	50.0	46.3		ug/Kg		93	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	51.9		ug/Kg		104	60 - 140
1,2,4-Trimethylbenzene	50.0	50.9		ug/Kg		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.1		ug/Kg		102	70 - 131
Vinyl acetate	50.0	54.9		ug/Kg		110	38 - 176
Vinyl chloride	50.0	44.8		ug/Kg		90	58 - 125

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-158142/6
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
2,2-Dichloropropane			50.0	53.8		ug/Kg		108	70 - 162		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*87*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: LCS 720-158142/8
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Gasoline Range Organics (GRO) -C5-C12			1000	1030		ug/Kg		103	61 - 128		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: LCSD 720-158142/7
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether			50.0	52.7		ug/Kg		105	70 - 144	4	20
Acetone			250	232		ug/Kg		93	30 - 162	8	30
Benzene			50.0	49.5		ug/Kg		99	70 - 130	0	20
Dichlorobromomethane			50.0	52.1		ug/Kg		104	70 - 131	1	20
Bromobenzene			50.0	51.8		ug/Kg		104	70 - 130	2	20
Chlorobromomethane			50.0	56.1		ug/Kg		112	70 - 130	1	20
Bromoform			50.0	59.7		ug/Kg		119	59 - 158	5	20
Bromomethane			50.0	47.3		ug/Kg		95	59 - 132	3	20
2-Butanone (MEK)			250	244		ug/Kg		97	53 - 124	10	20
n-Butylbenzene			50.0	51.0		ug/Kg		102	70 - 142	0	20
sec-Butylbenzene			50.0	51.8		ug/Kg		104	70 - 136	2	20
tert-Butylbenzene			50.0	52.9		ug/Kg		106	70 - 130	1	20
Carbon disulfide			50.0	42.4		ug/Kg		85	60 - 140	1	20
Carbon tetrachloride			50.0	59.7		ug/Kg		119	70 - 138	2	20
Chlorobenzene			50.0	52.7		ug/Kg		105	70 - 130	0	20
Chloroethane			50.0	46.2		ug/Kg		92	65 - 130	3	20
Chloroform			50.0	49.9		ug/Kg		100	77 - 127	0	20
Chloromethane			50.0	44.9		ug/Kg		90	55 - 140	1	20
2-Chlorotoluene			50.0	49.4		ug/Kg		99	70 - 138	1	20
4-Chlorotoluene			50.0	48.2		ug/Kg		96	70 - 136	1	20
Chlorodibromomethane			50.0	58.3		ug/Kg		117	70 - 146	2	20
1,2-Dichlorobenzene			50.0	53.3		ug/Kg		107	70 - 130	2	20
1,3-Dichlorobenzene			50.0	53.5		ug/Kg		107	70 - 131	1	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-158142/7
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,4-Dichlorobenzene			50.0	53.5		ug/Kg		107	70 - 130	1	20
1,3-Dichloropropane			50.0	51.0		ug/Kg		102	70 - 140	2	20
1,1-Dichloropropene			50.0	52.5		ug/Kg		105	70 - 130	1	20
1,2-Dibromo-3-Chloropropane			50.0	55.5		ug/Kg		111	60 - 145	11	20
Ethylene Dibromide			50.0	55.9		ug/Kg		112	70 - 140	3	20
Dibromomethane			50.0	52.8		ug/Kg		106	70 - 139	2	20
Dichlorodifluoromethane			50.0	44.7		ug/Kg		89	37 - 158	1	20
1,1-Dichloroethane			50.0	48.9		ug/Kg		98	70 - 130	1	20
1,2-Dichloroethane			50.0	47.5		ug/Kg		95	70 - 130	1	20
1,1-Dichloroethene			50.0	51.8		ug/Kg		104	76 - 122	2	20
cis-1,2-Dichloroethene			50.0	49.4		ug/Kg		99	70 - 138	1	20
trans-1,2-Dichloroethene			50.0	51.4		ug/Kg		103	67 - 130	1	20
1,2-Dichloropropane			50.0	48.8		ug/Kg		98	73 - 127	0	20
cis-1,3-Dichloropropene			50.0	52.1		ug/Kg		104	68 - 147	2	20
trans-1,3-Dichloropropene			50.0	56.4		ug/Kg		113	70 - 136	2	20
Ethylbenzene			50.0	50.0		ug/Kg		100	80 - 137	0	20
Hexachlorobutadiene			50.0	56.2		ug/Kg		112	70 - 132	3	20
2-Hexanone			250	247		ug/Kg		99	44 - 133	11	20
Isopropylbenzene			50.0	55.1		ug/Kg		110	88 - 128	0	20
4-Isopropyltoluene			50.0	53.1		ug/Kg		106	70 - 133	1	20
Methylene Chloride			50.0	45.3		ug/Kg		91	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)			250	251		ug/Kg		100	60 - 160	9	20
Naphthalene			50.0	58.6		ug/Kg		117	60 - 147	7	20
N-Propylbenzene			50.0	47.9		ug/Kg		96	70 - 130	1	20
Styrene			50.0	53.6		ug/Kg		107	70 - 130	0	20
1,1,1,2-Tetrachloroethane			50.0	58.9		ug/Kg		118	70 - 130	1	20
1,1,2,2-Tetrachloroethane			50.0	50.5		ug/Kg		101	70 - 146	7	20
Tetrachloroethene			50.0	58.7		ug/Kg		117	70 - 132	0	20
Toluene			50.0	46.4		ug/Kg		93	80 - 128	0	20
1,2,3-Trichlorobenzene			50.0	58.5		ug/Kg		117	60 - 140	2	20
1,2,4-Trichlorobenzene			50.0	57.1		ug/Kg		114	60 - 140	0	20
1,1,1-Trichloroethane			50.0	55.1		ug/Kg		110	70 - 130	2	20
1,1,2-Trichloroethane			50.0	53.1		ug/Kg		106	70 - 130	2	20
Trichloroethene			50.0	54.1		ug/Kg		108	70 - 133	1	20
Trichlorofluoromethane			50.0	52.1		ug/Kg		104	60 - 140	3	20
1,2,3-Trichloropropane			50.0	50.6		ug/Kg		101	70 - 146	9	20
1,1,2-Trichloro-1,2,2-trifluoroetha ne			50.0	52.8		ug/Kg		106	60 - 140	2	20
1,2,4-Trimethylbenzene			50.0	51.3		ug/Kg		103	70 - 130	1	20
1,3,5-Trimethylbenzene			50.0	51.4		ug/Kg		103	70 - 131	1	20
Vinyl acetate			50.0	57.6		ug/Kg		115	38 - 176	5	20
Vinyl chloride			50.0	42.8		ug/Kg		86	58 - 125	5	20
2,2-Dichloropropane			50.0	54.5		ug/Kg		109	70 - 162	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*88*		*60 - 140*
Toluene-d8 (Surr)	*100*		*58 - 140*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-158142/9
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	1050		ug/Kg		105	61 - 128	3	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Lab Sample ID: MB 720-158145/4
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methyl tert-butyl ether	ND		5.0		ug/Kg			04/25/14 19:44	1
Acetone	ND		50		ug/Kg			04/25/14 19:44	1
Benzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Dichlorobromomethane	ND		5.0		ug/Kg			04/25/14 19:44	1
Bromobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Chlorobromomethane	ND		20		ug/Kg			04/25/14 19:44	1
Bromoform	ND		5.0		ug/Kg			04/25/14 19:44	1
Bromomethane	ND		10		ug/Kg			04/25/14 19:44	1
2-Butanone (MEK)	ND		50		ug/Kg			04/25/14 19:44	1
n-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
sec-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
tert-Butylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Carbon disulfide	ND		5.0		ug/Kg			04/25/14 19:44	1
Carbon tetrachloride	ND		5.0		ug/Kg			04/25/14 19:44	1
Chlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Chloroethane	ND		10		ug/Kg			04/25/14 19:44	1
Chloroform	ND		5.0		ug/Kg			04/25/14 19:44	1
Chloromethane	ND		10		ug/Kg			04/25/14 19:44	1
2-Chlorotoluene	ND		5.0		ug/Kg			04/25/14 19:44	1
4-Chlorotoluene	ND		5.0		ug/Kg			04/25/14 19:44	1
Chlorodibromomethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,3-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,4-Dichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,3-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2-Dibromo-3-Chloropropane	ND		10		ug/Kg			04/25/14 19:44	1
Ethylene Dibromide	ND		5.0		ug/Kg			04/25/14 19:44	1
Dibromomethane	ND		10		ug/Kg			04/25/14 19:44	1
Dichlorodifluoromethane	ND		10		ug/Kg			04/25/14 19:44	1
1,1-Dichloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2-Dichloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:44	1
cis-1,2-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:44	1
trans-1,2-Dichloroethene	ND		5.0		ug/Kg			04/25/14 19:44	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 720-158145/4
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:44	1
cis-1,3-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:44	1
trans-1,3-Dichloropropene	ND		5.0		ug/Kg			04/25/14 19:44	1
Ethylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Hexachlorobutadiene	ND		5.0		ug/Kg			04/25/14 19:44	1
2-Hexanone	ND		50		ug/Kg			04/25/14 19:44	1
Isopropylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
4-Isopropyltoluene	ND		5.0		ug/Kg			04/25/14 19:44	1
Methylene Chloride	ND		10		ug/Kg			04/25/14 19:44	1
4-Methyl-2-pentanone (MIBK)	ND		50		ug/Kg			04/25/14 19:44	1
Naphthalene	ND		10		ug/Kg			04/25/14 19:44	1
N-Propylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Styrene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1,1,2-Tetrachloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1,2,2-Tetrachloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
Tetrachloroethene	ND		5.0		ug/Kg			04/25/14 19:44	1
Toluene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2,3-Trichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2,4-Trichlorobenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1,1-Trichloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1,2-Trichloroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
Trichloroethene	ND		5.0		ug/Kg			04/25/14 19:44	1
Trichlorofluoromethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2,3-Trichloropropane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		5.0		ug/Kg			04/25/14 19:44	1
1,2,4-Trimethylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
1,3,5-Trimethylbenzene	ND		5.0		ug/Kg			04/25/14 19:44	1
Vinyl acetate	ND		50		ug/Kg			04/25/14 19:44	1
Vinyl chloride	ND		5.0		ug/Kg			04/25/14 19:44	1
Xylenes, Total	ND		10		ug/Kg			04/25/14 19:44	1
2,2-Dichloropropane	ND		5.0		ug/Kg			04/25/14 19:44	1
Gasoline Range Organics (GRO) -C5-C12	ND		250		ug/Kg			04/25/14 19:44	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*45 - 131*		*04/25/14 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*		*04/25/14 19:44*	*1*
Toluene-d8 (Surr)	*91*		*58 - 140*		*04/25/14 19:44*	*1*

Lab Sample ID: LCS 720-158145/5
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	50.0	47.3		ug/Kg		95	70 - 144
Acetone	250	197		ug/Kg		79	30 - 162
Benzene	50.0	47.4		ug/Kg		95	70 - 130
Dichlorobromomethane	50.0	47.5		ug/Kg		95	70 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-158145/5
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromobenzene	50.0	49.5		ug/Kg		99	70 - 130
Chlorobromomethane	50.0	47.4		ug/Kg		95	70 - 130
Bromoform	50.0	49.3		ug/Kg		99	59 - 158
Bromomethane	50.0	43.3		ug/Kg		87	59 - 132
2-Butanone (MEK)	250	243		ug/Kg		97	53 - 124
n-Butylbenzene	50.0	51.3		ug/Kg		103	70 - 142
sec-Butylbenzene	50.0	50.8		ug/Kg		102	70 - 136
tert-Butylbenzene	50.0	51.4		ug/Kg		103	70 - 130
Carbon disulfide	50.0	42.7		ug/Kg		85	60 - 140
Carbon tetrachloride	50.0	50.7		ug/Kg		101	70 - 138
Chlorobenzene	50.0	48.7		ug/Kg		97	70 - 130
Chloroethane	50.0	46.5		ug/Kg		93	65 - 130
Chloroform	50.0	47.9		ug/Kg		96	77 - 127
Chloromethane	50.0	44.8		ug/Kg		90	55 - 140
2-Chlorotoluene	50.0	52.1		ug/Kg		104	70 - 138
4-Chlorotoluene	50.0	50.3		ug/Kg		101	70 - 136
Chlorodibromomethane	50.0	49.3		ug/Kg		99	70 - 146
1,2-Dichlorobenzene	50.0	48.4		ug/Kg		97	70 - 130
1,3-Dichlorobenzene	50.0	49.9		ug/Kg		100	70 - 131
1,4-Dichlorobenzene	50.0	45.7		ug/Kg		91	70 - 130
1,3-Dichloropropane	50.0	47.1		ug/Kg		94	70 - 140
1,1-Dichloropropene	50.0	51.9		ug/Kg		104	70 - 130
1,2-Dibromo-3-Chloropropane	50.0	52.0		ug/Kg		104	60 - 145
Ethylene Dibromide	50.0	48.1		ug/Kg		96	70 - 140
Dibromomethane	50.0	48.6		ug/Kg		97	70 - 139
Dichlorodifluoromethane	50.0	42.9		ug/Kg		86	37 - 158
1,1-Dichloroethane	50.0	48.4		ug/Kg		97	70 - 130
1,2-Dichloroethane	50.0	47.4		ug/Kg		95	70 - 130
1,1-Dichloroethene	50.0	50.1		ug/Kg		100	76 - 122
cis-1,2-Dichloroethene	50.0	49.0		ug/Kg		98	70 - 138
trans-1,2-Dichloroethene	50.0	51.1		ug/Kg		102	67 - 130
1,2-Dichloropropane	50.0	46.5		ug/Kg		93	73 - 127
cis-1,3-Dichloropropene	50.0	49.8		ug/Kg		100	68 - 147
trans-1,3-Dichloropropene	50.0	50.1		ug/Kg		100	70 - 136
Ethylbenzene	50.0	47.6		ug/Kg		95	80 - 137
Hexachlorobutadiene	50.0	50.5		ug/Kg		101	70 - 132
2-Hexanone	250	232		ug/Kg		93	44 - 133
Isopropylbenzene	50.0	51.3		ug/Kg		103	88 - 128
4-Isopropyltoluene	50.0	49.5		ug/Kg		99	70 - 133
Methylene Chloride	50.0	46.1		ug/Kg		92	70 - 134
4-Methyl-2-pentanone (MIBK)	250	232		ug/Kg		93	60 - 160
Naphthalene	50.0	52.0		ug/Kg		104	60 - 147
N-Propylbenzene	50.0	50.1		ug/Kg		100	70 - 130
Styrene	50.0	54.1		ug/Kg		108	70 - 130
1,1,1,2-Tetrachloroethane	50.0	53.2		ug/Kg		106	70 - 130
1,1,2,2-Tetrachloroethane	50.0	51.3		ug/Kg		103	70 - 146
Tetrachloroethene	50.0	50.8		ug/Kg		102	70 - 132
Toluene	50.0	48.5		ug/Kg		97	80 - 128

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 720-158145/5
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,3-Trichlorobenzene	50.0	48.8		ug/Kg		98	60 - 140
1,2,4-Trichlorobenzene	50.0	49.3		ug/Kg		99	60 - 140
1,1,1-Trichloroethane	50.0	50.9		ug/Kg		102	70 - 130
1,1,2-Trichloroethane	50.0	48.5		ug/Kg		97	70 - 130
Trichloroethene	50.0	49.1		ug/Kg		98	70 - 133
Trichlorofluoromethane	50.0	47.8		ug/Kg		96	60 - 140
1,2,3-Trichloropropane	50.0	50.0		ug/Kg		100	70 - 146
1,1,2-Trichloro-1,2,2-trifluoroethane	50.0	46.7		ug/Kg		93	60 - 140
1,2,4-Trimethylbenzene	50.0	50.8		ug/Kg		102	70 - 130
1,3,5-Trimethylbenzene	50.0	51.3		ug/Kg		103	70 - 131
Vinyl acetate	50.0	57.4		ug/Kg		115	38 - 176
Vinyl chloride	50.0	45.5		ug/Kg		91	58 - 125
2,2-Dichloropropane	50.0	51.2		ug/Kg		102	70 - 162

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*90*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: LCS 720-158145/7
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Gasoline Range Organics (GRO) -C5-C12	1000	939		ug/Kg		94	61 - 128

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*98*		*60 - 140*
Toluene-d8 (Surr)	*94*		*58 - 140*

Lab Sample ID: LCSD 720-158145/6
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	50.0	49.3		ug/Kg		99	70 - 144	4	20
Acetone	250	196		ug/Kg		79	30 - 162	0	30
Benzene	50.0	48.3		ug/Kg		97	70 - 130	2	20
Dichlorobromomethane	50.0	48.4		ug/Kg		97	70 - 131	2	20
Bromobenzene	50.0	50.2		ug/Kg		100	70 - 130	1	20
Chlorobromomethane	50.0	49.6		ug/Kg		99	70 - 130	5	20
Bromoform	50.0	49.4		ug/Kg		99	59 - 158	0	20
Bromomethane	50.0	44.8		ug/Kg		90	59 - 132	3	20
2-Butanone (MEK)	250	236		ug/Kg		94	53 - 124	3	20
n-Butylbenzene	50.0	51.5		ug/Kg		103	70 - 142	0	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-158145/6
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
sec-Butylbenzene	50.0	51.4		ug/Kg		103	70 - 136	1	20
tert-Butylbenzene	50.0	52.9		ug/Kg		106	70 - 130	3	20
Carbon disulfide	50.0	44.2		ug/Kg		88	60 - 140	3	20
Carbon tetrachloride	50.0	53.1		ug/Kg		106	70 - 138	4	20
Chlorobenzene	50.0	48.9		ug/Kg		98	70 - 130	1	20
Chloroethane	50.0	49.0		ug/Kg		98	65 - 130	5	20
Chloroform	50.0	49.0		ug/Kg		98	77 - 127	2	20
Chloromethane	50.0	48.9		ug/Kg		98	55 - 140	9	20
2-Chlorotoluene	50.0	52.9		ug/Kg		106	70 - 138	2	20
4-Chlorotoluene	50.0	50.5		ug/Kg		101	70 - 136	0	20
Chlorodibromomethane	50.0	50.5		ug/Kg		101	70 - 146	2	20
1,2-Dichlorobenzene	50.0	49.3		ug/Kg		99	70 - 130	2	20
1,3-Dichlorobenzene	50.0	50.1		ug/Kg		100	70 - 131	0	20
1,4-Dichlorobenzene	50.0	46.8		ug/Kg		94	70 - 130	2	20
1,3-Dichloropropane	50.0	48.3		ug/Kg		97	70 - 140	2	20
1,1-Dichloropropene	50.0	53.3		ug/Kg		107	70 - 130	3	20
1,2-Dibromo-3-Chloropropane	50.0	52.7		ug/Kg		105	60 - 145	1	20
Ethylene Dibromide	50.0	48.3		ug/Kg		97	70 - 140	0	20
Dibromomethane	50.0	49.0		ug/Kg		98	70 - 139	1	20
Dichlorodifluoromethane	50.0	44.2		ug/Kg		88	37 - 158	3	20
1,1-Dichloroethane	50.0	50.2		ug/Kg		100	70 - 130	4	20
1,2-Dichloroethane	50.0	48.7		ug/Kg		97	70 - 130	3	20
1,1-Dichloroethene	50.0	50.7		ug/Kg		101	76 - 122	1	20
cis-1,2-Dichloroethene	50.0	50.9		ug/Kg		102	70 - 138	4	20
trans-1,2-Dichloroethene	50.0	51.8		ug/Kg		104	67 - 130	1	20
1,2-Dichloropropane	50.0	48.2		ug/Kg		96	73 - 127	3	20
cis-1,3-Dichloropropene	50.0	50.4		ug/Kg		101	68 - 147	1	20
trans-1,3-Dichloropropene	50.0	52.5		ug/Kg		105	70 - 136	5	20
Ethylbenzene	50.0	48.5		ug/Kg		97	80 - 137	2	20
Hexachlorobutadiene	50.0	51.7		ug/Kg		103	70 - 132	2	20
2-Hexanone	250	230		ug/Kg		92	44 - 133	1	20
Isopropylbenzene	50.0	52.1		ug/Kg		104	88 - 128	2	20
4-Isopropyltoluene	50.0	50.6		ug/Kg		101	70 - 133	2	20
Methylene Chloride	50.0	46.7		ug/Kg		93	70 - 134	1	20
4-Methyl-2-pentanone (MIBK)	250	234		ug/Kg		94	60 - 160	1	20
Naphthalene	50.0	53.4		ug/Kg		107	60 - 147	3	20
N-Propylbenzene	50.0	50.9		ug/Kg		102	70 - 130	2	20
Styrene	50.0	55.1		ug/Kg		110	70 - 130	2	20
1,1,1,2-Tetrachloroethane	50.0	53.1		ug/Kg		106	70 - 130	0	20
1,1,2,2-Tetrachloroethane	50.0	51.6		ug/Kg		103	70 - 146	1	20
Tetrachloroethene	50.0	50.9		ug/Kg		102	70 - 132	0	20
Toluene	50.0	49.4		ug/Kg		99	80 - 128	2	20
1,2,3-Trichlorobenzene	50.0	49.4		ug/Kg		99	60 - 140	1	20
1,2,4-Trichlorobenzene	50.0	50.0		ug/Kg		100	60 - 140	1	20
1,1,1-Trichloroethane	50.0	52.6		ug/Kg		105	70 - 130	3	20
1,1,2-Trichloroethane	50.0	48.9		ug/Kg		98	70 - 130	1	20
Trichloroethene	50.0	50.8		ug/Kg		102	70 - 133	3	20
Trichlorofluoromethane	50.0	49.0		ug/Kg		98	60 - 140	3	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 720-158145/6
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,3-Trichloropropane			50.0	50.0		ug/Kg		100	70 - 146	0	20
1,1,2-Trichloro-1,2,2-trifluoroethane			50.0	48.9		ug/Kg		98	60 - 140	5	20
1,2,4-Trimethylbenzene			50.0	51.8		ug/Kg		104	70 - 130	2	20
1,3,5-Trimethylbenzene			50.0	52.0		ug/Kg		104	70 - 131	1	20
Vinyl acetate			50.0	58.6		ug/Kg		117	38 - 176	2	20
Vinyl chloride			50.0	47.1		ug/Kg		94	58 - 125	4	20
2,2-Dichloropropane			50.0	53.2		ug/Kg		106	70 - 162	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*98*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*94*		*60 - 140*
Toluene-d8 (Surr)	*95*		*58 - 140*

Lab Sample ID: LCSD 720-158145/8
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Gasoline Range Organics (GRO) -C5-C12			1000	945		ug/Kg		95	61 - 128	1	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*97*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: 720-57003-18 MS
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		49.5	47.2		ug/Kg		95	69 - 130
Acetone	ND		248	217		ug/Kg		88	37 - 150
Benzene	ND		49.5	47.1		ug/Kg		95	70 - 130
Dichlorobromomethane	ND		49.5	47.4		ug/Kg		96	64 - 135
Bromobenzene	ND		49.5	52.9		ug/Kg		107	70 - 130
Chlorobromomethane	ND		49.5	48.6		ug/Kg		97	65 - 130
Bromoform	ND		49.5	47.2		ug/Kg		95	58 - 132
Bromomethane	ND		49.5	42.8		ug/Kg		87	56 - 130
2-Butanone (MEK)	ND		248	228		ug/Kg		92	41 - 150
n-Butylbenzene	ND		49.5	52.5		ug/Kg		106	60 - 145
sec-Butylbenzene	ND		49.5	55.6		ug/Kg		112	64 - 137
tert-Butylbenzene	ND		49.5	58.4		ug/Kg		118	63 - 134
Carbon disulfide	ND		49.5	42.5		ug/Kg		86	10 - 150
Carbon tetrachloride	ND		49.5	52.1		ug/Kg		105	54 - 130
Chlorobenzene	ND		49.5	47.8		ug/Kg		97	70 - 130
Chloroethane	ND		49.5	46.0		ug/Kg		93	61 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-18 MS
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroform	ND		49.5	48.8		ug/Kg		99	67 - 130
Chloromethane	ND		49.5	46.6		ug/Kg		94	50 - 131
2-Chlorotoluene	ND		49.5	57.0		ug/Kg		115	70 - 130
4-Chlorotoluene	ND		49.5	53.1		ug/Kg		107	70 - 130
Chlorodibromomethane	ND		49.5	48.1		ug/Kg		97	60 - 141
1,2-Dichlorobenzene	ND		49.5	46.9		ug/Kg		95	70 - 130
1,3-Dichlorobenzene	ND		49.5	48.8		ug/Kg		99	70 - 130
1,4-Dichlorobenzene	ND		49.5	46.4		ug/Kg		94	70 - 130
1,3-Dichloropropane	ND		49.5	46.4		ug/Kg		94	70 - 130
1,1-Dichloropropene	ND		49.5	51.6		ug/Kg		104	67 - 130
1,2-Dibromo-3-Chloropropane	ND		49.5	52.9		ug/Kg		107	57 - 130
Ethylene Dibromide	ND		49.5	46.4		ug/Kg		94	66 - 135
Dibromomethane	ND		49.5	46.6		ug/Kg		94	65 - 131
Dichlorodifluoromethane	ND		49.5	43.7		ug/Kg		88	38 - 130
1,1-Dichloroethane	ND		49.5	48.7		ug/Kg		98	67 - 130
1,2-Dichloroethane	ND		49.5	48.2		ug/Kg		97	70 - 130
1,1-Dichloroethene	ND		49.5	49.2		ug/Kg		99	64 - 130
cis-1,2-Dichloroethene	ND		49.5	48.7		ug/Kg		98	68 - 131
trans-1,2-Dichloroethene	ND		49.5	50.2		ug/Kg		101	70 - 130
1,2-Dichloropropane	ND		49.5	46.6		ug/Kg		94	65 - 133
cis-1,3-Dichloropropene	ND		49.5	47.9		ug/Kg		97	46 - 139
trans-1,3-Dichloropropene	ND		49.5	48.8		ug/Kg		99	55 - 131
Ethylbenzene	ND		49.5	48.4		ug/Kg		98	65 - 130
Hexachlorobutadiene	ND		49.5	43.0		ug/Kg		87	58 - 132
2-Hexanone	ND		248	226		ug/Kg		91	44 - 150
Isopropylbenzene	ND		49.5	51.2		ug/Kg		103	65 - 130
4-Isopropyltoluene	ND		49.5	54.2		ug/Kg		109	69 - 134
Methylene Chloride	ND		49.5	46.1		ug/Kg		93	63 - 130
4-Methyl-2-pentanone (MIBK)	ND		248	236		ug/Kg		95	51 - 140
Naphthalene	ND		49.5	37.3		ug/Kg		75	45 - 146
N-Propylbenzene	ND		49.5	56.0		ug/Kg		113	70 - 130
Styrene	ND		49.5	52.0		ug/Kg		105	58 - 135
1,1,1,2-Tetrachloroethane	ND		49.5	53.2		ug/Kg		107	64 - 133
1,1,2,2-Tetrachloroethane	ND		49.5	58.1		ug/Kg		117	70 - 131
Tetrachloroethene	ND		49.5	48.9		ug/Kg		99	67 - 130
Toluene	ND		49.5	49.5		ug/Kg		100	70 - 130
1,2,3-Trichlorobenzene	ND		49.5	32.7		ug/Kg		66	58 - 138
1,2,4-Trichlorobenzene	ND		49.5	35.6		ug/Kg		72	49 - 144
1,1,1-Trichloroethane	ND		49.5	51.8		ug/Kg		105	57 - 133
1,1,2-Trichloroethane	ND		49.5	46.7		ug/Kg		94	68 - 132
Trichloroethene	ND		49.5	48.8		ug/Kg		99	66 - 130
Trichlorofluoromethane	ND		49.5	49.4		ug/Kg		100	61 - 130
1,2,3-Trichloropropane	ND		49.5	59.1		ug/Kg		119	62 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.5	47.7		ug/Kg		96	52 - 130
1,2,4-Trimethylbenzene	ND		49.5	55.7		ug/Kg		112	64 - 140
1,3,5-Trimethylbenzene	ND		49.5	57.0		ug/Kg		115	67 - 134
Vinyl acetate	ND		49.5	ND	F1	ug/Kg		48	52 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-18 MS
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158176

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Vinyl chloride	ND		49.5	46.4		ug/Kg		94	62 - 130
2,2-Dichloropropane	ND		49.5	52.3		ug/Kg		106	63 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*95*		*58 - 140*

Lab Sample ID: 720-57003-18 MSD
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		49.3	47.9		ug/Kg		97	69 - 130	1	20
Acetone	ND		247	228		ug/Kg		93	37 - 150	5	20
Benzene	ND		49.3	47.7		ug/Kg		97	70 - 130	1	20
Dichlorobromomethane	ND		49.3	47.5		ug/Kg		96	64 - 135	0	20
Bromobenzene	ND		49.3	53.1		ug/Kg		108	70 - 130	0	20
Chlorobromomethane	ND		49.3	47.2		ug/Kg		95	65 - 130	3	20
Bromoform	ND		49.3	45.9		ug/Kg		93	58 - 132	3	20
Bromomethane	ND		49.3	44.7		ug/Kg		91	56 - 130	4	20
2-Butanone (MEK)	ND		247	215		ug/Kg		87	41 - 150	6	20
n-Butylbenzene	ND		49.3	52.2		ug/Kg		106	60 - 145	1	20
sec-Butylbenzene	ND		49.3	55.8		ug/Kg		113	64 - 137	0	20
tert-Butylbenzene	ND		49.3	59.5		ug/Kg		121	63 - 134	2	20
Carbon disulfide	ND		49.3	42.6		ug/Kg		86	10 - 150	0	20
Carbon tetrachloride	ND		49.3	52.3		ug/Kg		106	54 - 130	1	20
Chlorobenzene	ND		49.3	48.0		ug/Kg		97	70 - 130	0	20
Chloroethane	ND		49.3	47.0		ug/Kg		95	61 - 130	2	20
Chloroform	ND		49.3	49.2		ug/Kg		100	67 - 130	1	20
Chloromethane	ND		49.3	48.3		ug/Kg		98	50 - 131	4	20
2-Chlorotoluene	ND		49.3	57.7		ug/Kg		117	70 - 130	1	20
4-Chlorotoluene	ND		49.3	53.8		ug/Kg		109	70 - 130	1	20
Chlorodibromomethane	ND		49.3	47.5		ug/Kg		96	60 - 141	1	20
1,2-Dichlorobenzene	ND		49.3	45.9		ug/Kg		93	70 - 130	2	20
1,3-Dichlorobenzene	ND		49.3	49.2		ug/Kg		100	70 - 130	1	20
1,4-Dichlorobenzene	ND		49.3	45.9		ug/Kg		93	70 - 130	1	20
1,3-Dichloropropane	ND		49.3	45.9		ug/Kg		93	70 - 130	1	20
1,1-Dichloropropene	ND		49.3	52.4		ug/Kg		106	67 - 130	1	20
1,2-Dibromo-3-Chloropropane	ND		49.3	51.5		ug/Kg		104	57 - 130	3	20
Ethylene Dibromide	ND		49.3	45.5		ug/Kg		92	66 - 135	2	20
Dibromomethane	ND		49.3	46.6		ug/Kg		95	65 - 131	0	20
Dichlorodifluoromethane	ND		49.3	45.1		ug/Kg		91	38 - 130	3	20
1,1-Dichloroethane	ND		49.3	50.0		ug/Kg		101	67 - 130	3	20
1,2-Dichloroethane	ND		49.3	47.5		ug/Kg		96	70 - 130	2	20
1,1-Dichloroethene	ND		49.3	50.5		ug/Kg		102	64 - 130	3	20
cis-1,2-Dichloroethene	ND		49.3	49.4		ug/Kg		100	68 - 131	1	20
trans-1,2-Dichloroethene	ND		49.3	51.1		ug/Kg		104	70 - 130	2	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-18 MSD
Matrix: Solid
Analysis Batch: 158145

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158176

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	ND		49.3	47.3		ug/Kg		96	65 - 133	1	20
cis-1,3-Dichloropropene	ND		49.3	47.9		ug/Kg		97	46 - 139	0	20
trans-1,3-Dichloropropene	ND		49.3	48.6		ug/Kg		99	55 - 131	0	20
Ethylbenzene	ND		49.3	48.6		ug/Kg		99	65 - 130	0	20
Hexachlorobutadiene	ND		49.3	42.5		ug/Kg		86	58 - 132	1	20
2-Hexanone	ND		247	215		ug/Kg		87	44 - 150	5	20
Isopropylbenzene	ND		49.3	52.0		ug/Kg		105	65 - 130	1	20
4-Isopropyltoluene	ND		49.3	55.0		ug/Kg		111	69 - 134	1	20
Methylene Chloride	ND		49.3	46.1		ug/Kg		94	63 - 130	0	20
4-Methyl-2-pentanone (MIBK)	ND		247	223		ug/Kg		91	51 - 140	5	20
Naphthalene	ND		49.3	35.8		ug/Kg		73	45 - 146	4	20
N-Propylbenzene	ND		49.3	56.9		ug/Kg		115	70 - 130	1	20
Styrene	ND		49.3	51.8		ug/Kg		105	58 - 135	0	20
1,1,1,2-Tetrachloroethane	ND		49.3	53.2		ug/Kg		108	64 - 133	0	20
1,1,2,2-Tetrachloroethane	ND		49.3	56.6		ug/Kg		115	70 - 131	3	20
Tetrachloroethene	ND		49.3	48.6		ug/Kg		99	67 - 130	0	20
Toluene	ND		49.3	49.7		ug/Kg		101	70 - 130	0	20
1,2,3-Trichlorobenzene	ND		49.3	31.0		ug/Kg		63	58 - 138	6	20
1,2,4-Trichlorobenzene	ND		49.3	34.0		ug/Kg		69	49 - 144	5	20
1,1,1-Trichloroethane	ND		49.3	51.9		ug/Kg		105	57 - 133	0	20
1,1,2-Trichloroethane	ND		49.3	45.7		ug/Kg		93	68 - 132	2	20
Trichloroethene	ND		49.3	48.8		ug/Kg		99	66 - 130	0	20
Trichlorofluoromethane	ND		49.3	49.7		ug/Kg		101	61 - 130	1	20
1,2,3-Trichloropropane	ND		49.3	56.4		ug/Kg		114	62 - 150	5	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.3	48.2		ug/Kg		98	52 - 130	1	20
1,2,4-Trimethylbenzene	ND		49.3	56.5		ug/Kg		115	64 - 140	1	20
1,3,5-Trimethylbenzene	ND		49.3	57.9		ug/Kg		117	67 - 134	1	20
Vinyl acetate	ND		49.3	ND	F1	ug/Kg		41	52 - 150	16	20
Vinyl chloride	ND		49.3	47.6		ug/Kg		97	62 - 130	3	20
2,2-Dichloropropane	ND		49.3	53.0		ug/Kg		107	63 - 130	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*91*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*95*		*60 - 140*
Toluene-d8 (Surr)	*96*		*58 - 140*

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Methyl tert-butyl ether	ND		49.6	53.3		ug/Kg		107	69 - 130
Acetone	ND		248	242		ug/Kg		98	37 - 150
Benzene	ND		49.6	48.9		ug/Kg		99	70 - 130
Dichlorobromomethane	ND		49.6	51.8		ug/Kg		104	64 - 135
Bromobenzene	ND		49.6	53.0		ug/Kg		107	70 - 130
Chlorobromomethane	ND		49.6	57.0		ug/Kg		114	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	ND		49.6	55.8		ug/Kg		112	58 - 132
Bromomethane	ND		49.6	47.6		ug/Kg		96	56 - 130
2-Butanone (MEK)	ND		248	223		ug/Kg		90	41 - 150
n-Butylbenzene	ND		49.6	50.1		ug/Kg		101	60 - 145
sec-Butylbenzene	ND		49.6	52.4		ug/Kg		106	64 - 137
tert-Butylbenzene	ND		49.6	55.4		ug/Kg		112	63 - 134
Carbon disulfide	ND		49.6	41.6		ug/Kg		84	10 - 150
Carbon tetrachloride	ND		49.6	58.6		ug/Kg		118	54 - 130
Chlorobenzene	ND		49.6	51.6		ug/Kg		104	70 - 130
Chloroethane	ND		49.6	46.2		ug/Kg		93	61 - 130
Chloroform	ND		49.6	50.6		ug/Kg		102	67 - 130
Chloromethane	ND		49.6	45.2		ug/Kg		91	50 - 131
2-Chlorotoluene	ND		49.6	51.3		ug/Kg		103	70 - 130
4-Chlorotoluene	ND		49.6	49.3		ug/Kg		99	70 - 130
Chlorodibromomethane	ND		49.6	57.4		ug/Kg		116	60 - 141
1,2-Dichlorobenzene	ND		49.6	50.0		ug/Kg		101	70 - 130
1,3-Dichlorobenzene	ND		49.6	51.7		ug/Kg		104	70 - 130
1,4-Dichlorobenzene	ND		49.6	51.5		ug/Kg		104	70 - 130
1,3-Dichloropropane	ND		49.6	49.6		ug/Kg		100	70 - 130
1,1-Dichloropropene	ND		49.6	51.1		ug/Kg		103	67 - 130
1,2-Dibromo-3-Chloropropane	ND		49.6	49.8		ug/Kg		100	57 - 130
Ethylene Dibromide	ND		49.6	52.8		ug/Kg		106	66 - 135
Dibromomethane	ND		49.6	51.5		ug/Kg		104	65 - 131
Dichlorodifluoromethane	ND		49.6	44.0		ug/Kg		89	38 - 130
1,1-Dichloroethane	ND		49.6	49.0		ug/Kg		99	67 - 130
1,2-Dichloroethane	ND		49.6	47.7		ug/Kg		96	70 - 130
1,1-Dichloroethene	ND		49.6	50.9		ug/Kg		103	64 - 130
cis-1,2-Dichloroethene	ND		49.6	49.1		ug/Kg		99	68 - 131
trans-1,2-Dichloroethene	ND		49.6	50.9		ug/Kg		103	70 - 130
1,2-Dichloropropane	ND		49.6	49.7		ug/Kg		100	65 - 133
cis-1,3-Dichloropropene	ND		49.6	51.7		ug/Kg		104	46 - 139
trans-1,3-Dichloropropene	ND		49.6	55.2		ug/Kg		111	55 - 131
Ethylbenzene	ND		49.6	49.7		ug/Kg		100	65 - 130
Hexachlorobutadiene	ND		49.6	46.2		ug/Kg		93	58 - 132
2-Hexanone	ND		248	223		ug/Kg		90	44 - 150
Isopropylbenzene	ND		49.6	53.7		ug/Kg		108	65 - 130
4-Isopropyltoluene	ND		49.6	54.6		ug/Kg		110	69 - 134
Methylene Chloride	ND		49.6	46.1		ug/Kg		93	63 - 130
4-Methyl-2-pentanone (MIBK)	ND		248	231		ug/Kg		93	51 - 140
Naphthalene	ND		49.6	39.3		ug/Kg		79	45 - 146
N-Propylbenzene	ND		49.6	50.4		ug/Kg		102	70 - 130
Styrene	ND		49.6	51.4		ug/Kg		104	58 - 135
1,1,1,2-Tetrachloroethane	ND		49.6	59.8		ug/Kg		120	64 - 133
1,1,2,2-Tetrachloroethane	ND		49.6	50.4		ug/Kg		102	70 - 131
Tetrachloroethene	ND		49.6	57.3		ug/Kg		116	67 - 130
Toluene	ND		49.6	46.6		ug/Kg		94	70 - 130
1,2,3-Trichlorobenzene	ND		49.6	40.3		ug/Kg		81	58 - 138
1,2,4-Trichlorobenzene	ND		49.6	43.9		ug/Kg		89	49 - 144

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158177

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	ND		49.6	54.3		ug/Kg		109	57 - 133
1,1,2-Trichloroethane	ND		49.6	51.7		ug/Kg		104	68 - 132
Trichloroethene	ND		49.6	53.4		ug/Kg		108	66 - 130
Trichlorofluoromethane	ND		49.6	51.3		ug/Kg		103	61 - 130
1,2,3-Trichloropropane	ND		49.6	50.6		ug/Kg		102	62 - 150
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.6	51.6		ug/Kg		104	52 - 130
1,2,4-Trimethylbenzene	ND		49.6	53.5		ug/Kg		108	64 - 140
1,3,5-Trimethylbenzene	ND		49.6	54.2		ug/Kg		109	67 - 134
Vinyl acetate	ND		49.6	ND		ug/Kg		68	52 - 150
Vinyl chloride	ND		49.6	42.3		ug/Kg		85	62 - 130
2,2-Dichloropropane	ND		49.6	54.2		ug/Kg		109	63 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*89*		*60 - 140*
Toluene-d8 (Surr)	*101*		*58 - 140*

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Methyl tert-butyl ether	ND		49.6	54.9		ug/Kg		111	69 - 130	3	20
Acetone	ND		248	252		ug/Kg		101	37 - 150	4	20
Benzene	ND		49.6	48.8		ug/Kg		98	70 - 130	0	20
Dichlorobromomethane	ND		49.6	52.9		ug/Kg		107	64 - 135	2	20
Bromobenzene	ND		49.6	51.2		ug/Kg		103	70 - 130	3	20
Chlorobromomethane	ND		49.6	58.4		ug/Kg		117	65 - 130	2	20
Bromoform	ND		49.6	59.1		ug/Kg		119	58 - 132	6	20
Bromomethane	ND		49.6	45.3		ug/Kg		91	56 - 130	5	20
2-Butanone (MEK)	ND		248	235		ug/Kg		95	41 - 150	5	20
n-Butylbenzene	ND		49.6	47.3		ug/Kg		95	60 - 145	6	20
sec-Butylbenzene	ND		49.6	47.9		ug/Kg		97	64 - 137	9	20
tert-Butylbenzene	ND		49.6	49.9		ug/Kg		101	63 - 134	11	20
Carbon disulfide	ND		49.6	40.2		ug/Kg		81	10 - 150	3	20
Carbon tetrachloride	ND		49.6	57.8		ug/Kg		117	54 - 130	1	20
Chlorobenzene	ND		49.6	51.6		ug/Kg		104	70 - 130	0	20
Chloroethane	ND		49.6	43.9		ug/Kg		88	61 - 130	5	20
Chloroform	ND		49.6	50.5		ug/Kg		102	67 - 130	0	20
Chloromethane	ND		49.6	42.5		ug/Kg		86	50 - 131	6	20
2-Chlorotoluene	ND		49.6	47.7		ug/Kg		96	70 - 130	7	20
4-Chlorotoluene	ND		49.6	46.9		ug/Kg		94	70 - 130	5	20
Chlorodibromomethane	ND		49.6	60.1		ug/Kg		121	60 - 141	5	20
1,2-Dichlorobenzene	ND		49.6	51.4		ug/Kg		104	70 - 130	3	20
1,3-Dichlorobenzene	ND		49.6	51.5		ug/Kg		104	70 - 130	0	20
1,4-Dichlorobenzene	ND		49.6	51.6		ug/Kg		104	70 - 130	0	20
1,3-Dichloropropane	ND		49.6	52.0		ug/Kg		105	70 - 130	5	20

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158142

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158177

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,1-Dichloropropene	ND		49.6	50.7		ug/Kg		102	67 - 130	1	20
1,2-Dibromo-3-Chloropropane	ND		49.6	51.0		ug/Kg		103	57 - 130	2	20
Ethylene Dibromide	ND		49.6	56.1		ug/Kg		113	66 - 135	6	20
Dibromomethane	ND		49.6	54.0		ug/Kg		109	65 - 131	5	20
Dichlorodifluoromethane	ND		49.6	41.4		ug/Kg		83	38 - 130	6	20
1,1-Dichloroethane	ND		49.6	48.8		ug/Kg		98	67 - 130	0	20
1,2-Dichloroethane	ND		49.6	49.2		ug/Kg		99	70 - 130	3	20
1,1-Dichloroethene	ND		49.6	49.8		ug/Kg		100	64 - 130	2	20
cis-1,2-Dichloroethene	ND		49.6	49.3		ug/Kg		99	68 - 131	0	20
trans-1,2-Dichloroethene	ND		49.6	50.6		ug/Kg		102	70 - 130	1	20
1,2-Dichloropropane	ND		49.6	49.7		ug/Kg		100	65 - 133	0	20
cis-1,3-Dichloropropene	ND		49.6	53.4		ug/Kg		108	46 - 139	3	20
trans-1,3-Dichloropropene	ND		49.6	58.0		ug/Kg		117	55 - 131	5	20
Ethylbenzene	ND		49.6	48.2		ug/Kg		97	65 - 130	3	20
Hexachlorobutadiene	ND		49.6	48.8		ug/Kg		98	58 - 132	6	20
2-Hexanone	ND		248	238		ug/Kg		96	44 - 150	6	20
Isopropylbenzene	ND		49.6	52.4		ug/Kg		106	65 - 130	3	20
4-Isopropyltoluene	ND		49.6	50.0		ug/Kg		101	69 - 134	9	20
Methylene Chloride	ND		49.6	45.9		ug/Kg		93	63 - 130	0	20
4-Methyl-2-pentanone (MIBK)	ND		248	242		ug/Kg		97	51 - 140	5	20
Naphthalene	ND		49.6	51.3	F2	ug/Kg		103	45 - 146	26	20
N-Propylbenzene	ND		49.6	45.7		ug/Kg		92	70 - 130	10	20
Styrene	ND		49.6	52.5		ug/Kg		106	58 - 135	2	20
1,1,1,2-Tetrachloroethane	ND		49.6	59.3		ug/Kg		120	64 - 133	1	20
1,1,2,2-Tetrachloroethane	ND		49.6	47.9		ug/Kg		97	70 - 131	5	20
Tetrachloroethene	ND		49.6	57.5		ug/Kg		116	67 - 130	0	20
Toluene	ND		49.6	45.2		ug/Kg		91	70 - 130	3	20
1,2,3-Trichlorobenzene	ND		49.6	53.1	F2	ug/Kg		107	58 - 138	27	20
1,2,4-Trichlorobenzene	ND		49.6	54.3	F2	ug/Kg		109	49 - 144	21	20
1,1,1-Trichloroethane	ND		49.6	53.5		ug/Kg		108	57 - 133	2	20
1,1,2-Trichloroethane	ND		49.6	54.1		ug/Kg		109	68 - 132	4	20
Trichloroethene	ND		49.6	53.3		ug/Kg		108	66 - 130	0	20
Trichlorofluoromethane	ND		49.6	49.4		ug/Kg		100	61 - 130	4	20
1,2,3-Trichloropropane	ND		49.6	48.8		ug/Kg		98	62 - 150	4	20
1,1,2-Trichloro-1,2,2-trifluoroethane	ND		49.6	50.3		ug/Kg		101	52 - 130	3	20
1,2,4-Trimethylbenzene	ND		49.6	49.7		ug/Kg		100	64 - 140	7	20
1,3,5-Trimethylbenzene	ND		49.6	49.6		ug/Kg		100	67 - 134	9	20
Vinyl acetate	ND		49.6	ND	F2	ug/Kg		92	52 - 150	30	20
Vinyl chloride	ND		49.6	39.0		ug/Kg		79	62 - 130	8	20
2,2-Dichloropropane	ND		49.6	52.0		ug/Kg		105	63 - 130	4	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*45 - 131*
1,2-Dichloroethane-d4 (Surr)	*93*		*60 - 140*
Toluene-d8 (Surr)	*102*		*58 - 140*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 720-158369/1-A
Matrix: Solid
Analysis Batch: 158412

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158369

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Acenaphthylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Chrysene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Fluoranthene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Fluorene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Naphthalene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Phenanthrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1
Pyrene	ND		5.0		ug/Kg		04/29/14 18:03	04/30/14 11:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*82*		*33 - 120*	*04/29/14 18:03*	*04/30/14 11:29*	*1*
Terphenyl-d14	*94*		*35 - 146*	*04/29/14 18:03*	*04/30/14 11:29*	*1*

Lab Sample ID: LCS 720-158369/2-A
Matrix: Solid
Analysis Batch: 158412

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158369

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	329	247		ug/Kg		75	49 - 120
Acenaphthylene	329	252		ug/Kg		76	52 - 120
Anthracene	329	263		ug/Kg		80	52 - 120
Benzo[a]anthracene	329	266		ug/Kg		81	52 - 120
Benzo[a]pyrene	329	274		ug/Kg		83	54 - 120
Benzo[b]fluoranthene	329	281		ug/Kg		85	51 - 120
Benzo[g,h,i]perylene	329	252		ug/Kg		76	48 - 120
Benzo[k]fluoranthene	329	249		ug/Kg		76	56 - 120
Chrysene	329	255		ug/Kg		77	40 - 120
Dibenz(a,h)anthracene	329	277		ug/Kg		84	50 - 120
Fluoranthene	329	261		ug/Kg		79	57 - 120
Fluorene	329	242		ug/Kg		74	52 - 120
Indeno[1,2,3-cd]pyrene	329	261		ug/Kg		79	48 - 120
Naphthalene	329	231		ug/Kg		70	46 - 120
Phenanthrene	329	242		ug/Kg		73	48 - 120
Pyrene	329	294		ug/Kg		89	53 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*75*		*33 - 120*
Terphenyl-d14	*96*		*35 - 146*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCSD 720-158369/3-A
Matrix: Solid
Analysis Batch: 158412

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158369

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			332	296		ug/Kg		89	49 - 120	18	20
Acenaphthylene			332	301		ug/Kg		91	52 - 120	18	20
Anthracene			332	298		ug/Kg		90	52 - 120	12	20
Benzo[a]anthracene			332	314		ug/Kg		95	52 - 120	16	20
Benzo[a]pyrene			332	316		ug/Kg		95	54 - 120	14	20
Benzo[b]fluoranthene			332	285		ug/Kg		86	51 - 120	1	20
Benzo[g,h,i]perylene			332	306		ug/Kg		92	48 - 120	20	20
Benzo[k]fluoranthene			332	274		ug/Kg		83	56 - 120	9	20
Chrysene			332	303		ug/Kg		91	40 - 120	17	20
Dibenz(a,h)anthracene			332	295		ug/Kg		89	50 - 120	6	20
Fluoranthene			332	298		ug/Kg		90	57 - 120	13	20
Fluorene			332	290		ug/Kg		88	52 - 120	18	20
Indeno[1,2,3-cd]pyrene			332	274		ug/Kg		83	48 - 120	5	20
Naphthalene			332	260		ug/Kg		78	46 - 120	12	20
Phenanthrene			332	272		ug/Kg		82	48 - 120	12	20
Pyrene			332	330		ug/Kg		99	53 - 120	12	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*82*		*33 - 120*
Terphenyl-d14	*105*		*35 - 146*

Lab Sample ID: MB 720-158450/1-A
Matrix: Solid
Analysis Batch: 158492

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158450

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Acenaphthylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Benzo[a]anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Benzo[a]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Benzo[b]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Benzo[g,h,i]perylene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Benzo[k]fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Chrysene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Dibenz(a,h)anthracene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Fluoranthene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Fluorene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Indeno[1,2,3-cd]pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Naphthalene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Phenanthrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1
Pyrene	ND		5.0		ug/Kg		04/30/14 17:43	05/01/14 19:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*65*		*33 - 120*	*04/30/14 17:43*	*05/01/14 19:24*	*1*
Terphenyl-d14	*90*		*35 - 146*	*04/30/14 17:43*	*05/01/14 19:24*	*1*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 720-158450/2-A
Matrix: Solid
Analysis Batch: 158492

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158450

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Acenaphthene			329	199		ug/Kg		61	49 - 120		
Acenaphthylene			329	208		ug/Kg		63	52 - 120		
Anthracene			329	238		ug/Kg		72	52 - 120		
Benzo[a]anthracene			329	250		ug/Kg		76	52 - 120		
Benzo[a]pyrene			329	261		ug/Kg		79	54 - 120		
Benzo[b]fluoranthene			329	285		ug/Kg		86	51 - 120		
Benzo[g,h,i]perylene			329	225		ug/Kg		68	48 - 120		
Benzo[k]fluoranthene			329	256		ug/Kg		78	56 - 120		
Chrysene			329	242		ug/Kg		73	40 - 120		
Dibenz(a,h)anthracene			329	258		ug/Kg		78	50 - 120		
Fluoranthene			329	253		ug/Kg		77	57 - 120		
Fluorene			329	214		ug/Kg		65	52 - 120		
Indeno[1,2,3-cd]pyrene			329	241		ug/Kg		73	48 - 120		
Naphthalene			329	198		ug/Kg		60	46 - 120		
Phenanthrene			329	223		ug/Kg		68	48 - 120		
Pyrene			329	274		ug/Kg		83	53 - 120		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*33 - 120*
Terphenyl-d14	*92*		*35 - 146*

Lab Sample ID: LCSD 720-158450/3-A
Matrix: Solid
Analysis Batch: 158492

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158450

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene			331	204		ug/Kg		62	49 - 120	2	20
Acenaphthylene			331	209		ug/Kg		63	52 - 120	1	20
Anthracene			331	240		ug/Kg		72	52 - 120	1	20
Benzo[a]anthracene			331	238		ug/Kg		72	52 - 120	5	20
Benzo[a]pyrene			331	246		ug/Kg		74	54 - 120	6	20
Benzo[b]fluoranthene			331	260		ug/Kg		79	51 - 120	9	20
Benzo[g,h,i]perylene			331	223		ug/Kg		67	48 - 120	1	20
Benzo[k]fluoranthene			331	238		ug/Kg		72	56 - 120	7	20
Chrysene			331	236		ug/Kg		71	40 - 120	2	20
Dibenz(a,h)anthracene			331	253		ug/Kg		77	50 - 120	2	20
Fluoranthene			331	239		ug/Kg		72	57 - 120	5	20
Fluorene			331	216		ug/Kg		65	52 - 120	1	20
Indeno[1,2,3-cd]pyrene			331	239		ug/Kg		72	48 - 120	1	20
Naphthalene			331	195		ug/Kg		59	46 - 120	2	20
Phenanthrene			331	214		ug/Kg		65	48 - 120	4	20
Pyrene			331	254		ug/Kg		77	53 - 120	8	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*64*		*33 - 120*
Terphenyl-d14	*83*		*35 - 146*

Method: 8270C SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: 720-57003-10 MS
Matrix: Solid
Analysis Batch: 158492

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158450

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	ND		333	184		ug/Kg		55	33 - 120
Acenaphthylene	ND		333	194		ug/Kg		58	28 - 120
Anthracene	ND		333	201		ug/Kg		60	36 - 120
Benzo[a]anthracene	ND		333	210		ug/Kg		63	29 - 120
Benzo[a]pyrene	ND		333	216		ug/Kg		65	24 - 120
Benzo[b]fluoranthene	ND		333	217		ug/Kg		65	17 - 132
Benzo[g,h,i]perylene	ND		333	197		ug/Kg		59	21 - 120
Benzo[k]fluoranthene	ND		333	215		ug/Kg		65	35 - 120
Chrysene	ND		333	202		ug/Kg		60	29 - 120
Dibenz(a,h)anthracene	ND		333	224		ug/Kg		67	36 - 120
Fluoranthene	ND		333	217		ug/Kg		65	24 - 120
Fluorene	ND		333	196		ug/Kg		59	35 - 120
Indeno[1,2,3-cd]pyrene	ND		333	210		ug/Kg		63	20 - 126
Naphthalene	ND		333	171		ug/Kg		52	32 - 120
Phenanthrene	ND		333	195		ug/Kg		58	28 - 120
Pyrene	ND		333	220		ug/Kg		66	24 - 123

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*59*		*33 - 120*
Terphenyl-d14	*70*		*35 - 146*

Lab Sample ID: 720-57003-10 MSD
Matrix: Solid
Analysis Batch: 158492

Client Sample ID: PS-2-3' EVELYN/MARSHALL
Prep Type: Total/NA
Prep Batch: 158450

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	ND		333	178		ug/Kg		54	33 - 120	3	20
Acenaphthylene	ND		333	186		ug/Kg		56	28 - 120	4	20
Anthracene	ND		333	201		ug/Kg		60	36 - 120	0	20
Benzo[a]anthracene	ND		333	199		ug/Kg		60	29 - 120	6	20
Benzo[a]pyrene	ND		333	204		ug/Kg		61	24 - 120	6	20
Benzo[b]fluoranthene	ND		333	210		ug/Kg		63	17 - 132	4	20
Benzo[g,h,i]perylene	ND		333	177		ug/Kg		53	21 - 120	11	20
Benzo[k]fluoranthene	ND		333	203		ug/Kg		61	35 - 120	5	20
Chrysene	ND		333	194		ug/Kg		58	29 - 120	4	20
Dibenz(a,h)anthracene	ND		333	205		ug/Kg		62	36 - 120	9	20
Fluoranthene	ND		333	207		ug/Kg		62	24 - 120	5	20
Fluorene	ND		333	187		ug/Kg		56	35 - 120	5	20
Indeno[1,2,3-cd]pyrene	ND		333	192		ug/Kg		58	20 - 126	9	20
Naphthalene	ND		333	163		ug/Kg		49	32 - 120	5	20
Phenanthrene	ND		333	188		ug/Kg		56	28 - 120	4	20
Pyrene	ND		333	217		ug/Kg		65	24 - 123	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*54*		*33 - 120*
Terphenyl-d14	*68*		*35 - 146*

Method: 8015B - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 720-158495/1-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 158495

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 11:30	05/01/14 23:00	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 11:30	05/01/14 23:00	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.003*		*0 - 1*	*05/01/14 11:30*	*05/01/14 23:00*	*1*
p-Terphenyl	*92*		*38 - 148*	*05/01/14 11:30*	*05/01/14 23:00*	*1*

Lab Sample ID: LCS 720-158495/2-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 158495

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	83.1	46.1		mg/Kg		55	36 - 112

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
p-Terphenyl	*94*		*38 - 148*

Lab Sample ID: LCSD 720-158495/3-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 158495

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	83.0	39.6		mg/Kg		48	36 - 112	15	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
p-Terphenyl	*101*		*38 - 148*

Lab Sample ID: MB 720-158532/1-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 158532

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/01/14 17:06	05/02/14 05:29	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/01/14 17:06	05/02/14 05:29	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Capric Acid (Surr)	*0.005*		*0 - 1*	*05/01/14 17:06*	*05/02/14 05:29*	*1*
p-Terphenyl	*90*		*38 - 148*	*05/01/14 17:06*	*05/02/14 05:29*	*1*

Lab Sample ID: LCS 720-158532/2-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 158532

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	82.6	49.0		mg/Kg		59	36 - 112

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 720-158532/2-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 158532

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	*91*		*38 - 148*

Lab Sample ID: LCSD 720-158532/3-A
Matrix: Solid
Analysis Batch: 158471

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 158532

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			82.9	40.7		mg/Kg		49	36 - 112	19	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	*93*		*38 - 148*

Lab Sample ID: MB 720-158578/1-A
Matrix: Solid
Analysis Batch: 158571

Client Sample ID: Method Blank
Prep Type: Silica Gel Cleanup
Prep Batch: 158578

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Diesel Range Organics [C10-C28]	ND		1.0		mg/Kg		05/02/14 10:27	05/03/14 03:41	1
Motor Oil Range Organics [C24-C36]	ND		50		mg/Kg		05/02/14 10:27	05/03/14 03:41	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Capric Acid (Surr)	*0*		*0 - 1*	*05/02/14 10:27*	*05/03/14 03:41*	*1*
p-Terphenyl	*90*		*38 - 148*	*05/02/14 10:27*	*05/03/14 03:41*	*1*

Lab Sample ID: LCS 720-158578/2-A
Matrix: Solid
Analysis Batch: 158571

Client Sample ID: Lab Control Sample
Prep Type: Silica Gel Cleanup
Prep Batch: 158578

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]			83.3	50.9		mg/Kg		61	36 - 112

Surrogate	LCS %Recovery	LCS Qualifier	Limits
p-Terphenyl	*103*		*38 - 148*

Lab Sample ID: LCSD 720-158578/3-A
Matrix: Solid
Analysis Batch: 158571

Client Sample ID: Lab Control Sample Dup
Prep Type: Silica Gel Cleanup
Prep Batch: 158578

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]			83.0	51.8		mg/Kg		62	36 - 112	2	35

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
p-Terphenyl	*100*		*38 - 148*

Method: 8015B - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: 720-57003-17 MS
Matrix: Solid
Analysis Batch: 158572

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Prep Type: Silica Gel Cleanup
Prep Batch: 158578

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Diesel Range Organics [C10-C28]	1.7		82.7	36.8	F1	mg/Kg		42	50 - 150

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
p-Terphenyl	*80*		*38 - 148*

Lab Sample ID: 720-57003-17 MSD
Matrix: Solid
Analysis Batch: 158572

Client Sample ID: PS-5-7' EVELYN/MARSHALL
Prep Type: Silica Gel Cleanup
Prep Batch: 158578

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Diesel Range Organics [C10-C28]	1.7		82.5	39.6	F1	mg/Kg		46	50 - 150	7	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
p-Terphenyl	*85*		*38 - 148*

Method: 8081A - Organochlorine Pesticides (GC)

Lab Sample ID: MB 720-158518/1-A
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158518

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Dieldrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endrin aldehyde	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endrin	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endrin ketone	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Heptachlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
4,4'-DDT	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
4,4'-DDE	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
4,4'-DDD	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endosulfan I	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endosulfan II	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
alpha-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
beta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
delta-BHC	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Methoxychlor	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Toxaphene	ND		40		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
Chlordane (technical)	ND		40		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
alpha-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1
gamma-Chlordane	ND		2.0		ug/Kg		05/01/14 16:02	05/02/14 12:11	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-158518/1-A
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158518

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	103		57 - 122	05/01/14 16:02	05/02/14 12:11	1
DCB Decachlorobiphenyl	112		21 - 136	05/01/14 16:02	05/02/14 12:11	1

Lab Sample ID: LCS 720-158518/2-A
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158518

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.4	16.1		ug/Kg		98	65 - 120
Dieldrin	16.4	16.4		ug/Kg		100	72 - 120
Endrin aldehyde	16.4	16.0		ug/Kg		98	68 - 120
Endrin	16.4	16.4		ug/Kg		100	68 - 120
Endrin ketone	16.4	16.6		ug/Kg		101	67 - 120
Heptachlor	16.4	15.4		ug/Kg		94	69 - 120
Heptachlor epoxide	16.4	16.4		ug/Kg		100	68 - 120
4,4'-DDT	16.4	17.4		ug/Kg		106	63 - 127
4,4'-DDE	16.4	16.9		ug/Kg		103	70 - 120
4,4'-DDD	16.4	16.3		ug/Kg		99	69 - 120
Endosulfan I	16.4	15.5		ug/Kg		94	62 - 120
Endosulfan II	16.4	16.7		ug/Kg		102	65 - 120
alpha-BHC	16.4	15.4		ug/Kg		94	62 - 120
beta-BHC	16.4	16.9		ug/Kg		103	74 - 124
gamma-BHC (Lindane)	16.4	15.0		ug/Kg		91	72 - 120
delta-BHC	16.4	14.3		ug/Kg		87	64 - 120
Endosulfan sulfate	16.4	16.8		ug/Kg		103	67 - 120
Methoxychlor	16.4	17.5		ug/Kg		107	71 - 132
alpha-Chlordane	16.4	16.5		ug/Kg		101	70 - 120
gamma-Chlordane	16.4	16.5		ug/Kg		101	68 - 120

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	96		57 - 122
DCB Decachlorobiphenyl	113		21 - 136

Lab Sample ID: LCSD 720-158518/3-A
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158518

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	16.4	14.8		ug/Kg		91	65 - 120	8	20
Dieldrin	16.4	16.1		ug/Kg		98	72 - 120	2	20
Endrin aldehyde	16.4	15.8		ug/Kg		97	68 - 120	1	20
Endrin	16.4	16.0		ug/Kg		98	68 - 120	3	20
Endrin ketone	16.4	16.6		ug/Kg		101	67 - 120	0	20
Heptachlor	16.4	14.2		ug/Kg		87	69 - 120	8	20
Heptachlor epoxide	16.4	16.1		ug/Kg		98	68 - 120	2	20
4,4'-DDT	16.4	17.3		ug/Kg		105	63 - 127	1	20
4,4'-DDE	16.4	16.8		ug/Kg		103	70 - 120	4	20
4,4'-DDD	16.4	16.3		ug/Kg		99	69 - 120	0	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-158518/3-A
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158518

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endosulfan I			16.4	15.2		ug/Kg		93	62 - 120	2	20
Endosulfan II			16.4	16.5		ug/Kg		101	65 - 120	1	35
alpha-BHC			16.4	14.1		ug/Kg		86	62 - 120	8	20
beta-BHC			16.4	16.2		ug/Kg		99	74 - 124	4	20
gamma-BHC (Lindane)			16.4	14.0		ug/Kg		85	72 - 120	7	20
delta-BHC			16.4	13.8		ug/Kg		85	64 - 120	3	20
Endosulfan sulfate			16.4	16.6		ug/Kg		101	67 - 120	2	20
Methoxychlor			16.4	17.4		ug/Kg		107	71 - 132	0	20
alpha-Chlordane			16.4	16.2		ug/Kg		99	70 - 120	2	20
gamma-Chlordane			16.4	16.2		ug/Kg		99	68 - 120	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*57 - 122*
DCB Decachlorobiphenyl	*116*		*21 - 136*

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158518

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.2	15.8		ug/Kg		97	53 - 120
Dieldrin	ND		16.2	15.2		ug/Kg		94	46 - 130
Endrin aldehyde	ND		16.2	14.5		ug/Kg		89	40 - 120
Endrin	ND		16.2	15.3		ug/Kg		94	32 - 143
Endrin ketone	ND		16.2	14.9		ug/Kg		92	40 - 120
Heptachlor	ND		16.2	14.6		ug/Kg		90	52 - 120
Heptachlor epoxide	ND		16.2	15.9		ug/Kg		98	40 - 120
4,4'-DDT	ND		16.2	16.7		ug/Kg		103	17 - 144
4,4'-DDE	ND		16.2	15.9		ug/Kg		98	40 - 120
4,4'-DDD	ND		16.2	15.6		ug/Kg		97	40 - 120
Endosulfan I	ND		16.2	14.6		ug/Kg		90	40 - 120
Endosulfan II	ND		16.2	15.9		ug/Kg		98	40 - 120
alpha-BHC	ND		16.2	14.7		ug/Kg		91	40 - 120
beta-BHC	ND		16.2	15.5		ug/Kg		96	40 - 120
gamma-BHC (Lindane)	ND		16.2	14.2		ug/Kg		88	58 - 120
delta-BHC	ND		16.2	13.2		ug/Kg		82	40 - 120
Endosulfan sulfate	ND		16.2	15.1		ug/Kg		93	40 - 120
Methoxychlor	ND		16.2	16.6		ug/Kg		103	40 - 120
alpha-Chlordane	ND		16.2	15.4		ug/Kg		95	40 - 120
gamma-Chlordane	ND		16.2	15.6		ug/Kg		96	40 - 120

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*94*		*57 - 122*
DCB Decachlorobiphenyl	*110*		*21 - 136*

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158575

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158518

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.6	15.6		ug/Kg		94	53 - 120	1	20
Dieldrin	ND		16.6	15.3		ug/Kg		92	46 - 130	1	20
Endrin aldehyde	ND		16.6	14.4		ug/Kg		87	40 - 120	0	20
Endrin	ND		16.6	15.7		ug/Kg		95	32 - 143	3	20
Endrin ketone	ND		16.6	15.6		ug/Kg		94	40 - 120	5	20
Heptachlor	ND		16.6	14.6		ug/Kg		88	52 - 120	0	20
Heptachlor epoxide	ND		16.6	15.6		ug/Kg		94	40 - 120	2	20
4,4'-DDT	ND		16.6	16.5		ug/Kg		100	17 - 144	1	20
4,4'-DDE	ND		16.6	16.3		ug/Kg		98	40 - 120	3	20
4,4'-DDD	ND		16.6	16.5		ug/Kg		99	40 - 120	5	20
Endosulfan I	ND		16.6	14.6		ug/Kg		88	40 - 120	0	20
Endosulfan II	ND		16.6	16.4		ug/Kg		99	40 - 120	3	30
alpha-BHC	ND		16.6	14.6		ug/Kg		88	40 - 120	1	20
beta-BHC	ND		16.6	15.6		ug/Kg		94	40 - 120	1	20
gamma-BHC (Lindane)	ND		16.6	14.1		ug/Kg		85	58 - 120	1	20
delta-BHC	ND		16.6	13.5		ug/Kg		81	40 - 120	2	20
Endosulfan sulfate	ND		16.6	15.4		ug/Kg		93	40 - 120	2	20
Methoxychlor	ND		16.6	19.3		ug/Kg		116	40 - 120	9	20
alpha-Chlordane	ND		16.6	15.6		ug/Kg		94	40 - 120	1	20
gamma-Chlordane	ND		16.6	15.7		ug/Kg		95	40 - 120	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*90*		*57 - 122*
DCB Decachlorobiphenyl	*107*		*21 - 136*

Lab Sample ID: MB 720-158637/1-A
Matrix: Solid
Analysis Batch: 158646

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158637

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aldrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Dieldrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endrin aldehyde	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endrin	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endrin ketone	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Heptachlor	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Heptachlor epoxide	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
4,4'-DDT	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
4,4'-DDE	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
4,4'-DDD	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endosulfan I	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endosulfan II	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
alpha-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
beta-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
gamma-BHC (Lindane)	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
delta-BHC	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Endosulfan sulfate	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Methoxychlor	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: MB 720-158637/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158646 — **Prep Batch: 158637**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Toxaphene	ND		40		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
Chlordane (technical)	ND		40		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
alpha-Chlordane	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1
gamma-Chlordane	ND		2.0		ug/Kg		05/03/14 09:12	05/03/14 20:31	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*90*		*57 - 122*	*05/03/14 09:12*	*05/03/14 20:31*	*1*
DCB Decachlorobiphenyl	*104*		*21 - 136*	*05/03/14 09:12*	*05/03/14 20:31*	*1*

Lab Sample ID: LCS 720-158637/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158646 — **Prep Batch: 158637**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	16.6	13.6		ug/Kg		82	65 - 120
Dieldrin	16.6	15.4		ug/Kg		93	72 - 120
Endrin aldehyde	16.6	15.0		ug/Kg		90	68 - 120
Endrin	16.6	15.5		ug/Kg		93	68 - 120
Endrin ketone	16.6	15.5		ug/Kg		94	67 - 120
Heptachlor	16.6	13.3		ug/Kg		80	69 - 120
Heptachlor epoxide	16.6	15.3		ug/Kg		92	68 - 120
4,4'-DDT	16.6	16.2		ug/Kg		98	63 - 127
4,4'-DDE	16.6	16.1		ug/Kg		97	70 - 120
4,4'-DDD	16.6	15.4		ug/Kg		93	69 - 120
Endosulfan I	16.6	14.5		ug/Kg		87	62 - 120
Endosulfan II	16.6	15.6		ug/Kg		94	65 - 120
alpha-BHC	16.6	13.2		ug/Kg		79	62 - 120
beta-BHC	16.6	15.7		ug/Kg		95	74 - 124
gamma-BHC (Lindane)	16.6	13.1		ug/Kg		79	72 - 120
delta-BHC	16.6	11.8		ug/Kg		71	64 - 120
Endosulfan sulfate	16.6	15.2		ug/Kg		91	67 - 120
Methoxychlor	16.6	15.7		ug/Kg		95	71 - 132
alpha-Chlordane	16.6	15.6		ug/Kg		94	70 - 120
gamma-Chlordane	16.6	15.6		ug/Kg		94	68 - 120

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*81*		*57 - 122*
DCB Decachlorobiphenyl	*98*		*21 - 136*

Lab Sample ID: LCSD 720-158637/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158646 — **Prep Batch: 158637**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	16.6	14.8		ug/Kg		89	65 - 120	8	20
Dieldrin	16.6	16.0		ug/Kg		96	72 - 120	4	20
Endrin aldehyde	16.6	15.6		ug/Kg		94	68 - 120	4	20
Endrin	16.6	15.9		ug/Kg		96	68 - 120	3	20

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: LCSD 720-158637/3-A
Matrix: Solid
Analysis Batch: 158646

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158637

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Endrin ketone			16.6	16.1		ug/Kg		97	67 - 120	4	20
Heptachlor			16.6	14.6		ug/Kg		88	69 - 120	9	20
Heptachlor epoxide			16.6	16.1		ug/Kg		97	68 - 120	5	20
4,4'-DDT			16.6	16.9		ug/Kg		102	63 - 127	4	20
4,4'-DDE			16.6	16.7		ug/Kg		101	70 - 120	4	20
4,4'-DDD			16.6	15.9		ug/Kg		96	69 - 120	3	20
Endosulfan I			16.6	15.0		ug/Kg		90	62 - 120	3	20
Endosulfan II			16.6	15.9		ug/Kg		96	65 - 120	2	35
alpha-BHC			16.6	14.5		ug/Kg		87	62 - 120	9	20
beta-BHC			16.6	16.5		ug/Kg		99	74 - 124	5	20
gamma-BHC (Lindane)			16.6	14.3		ug/Kg		86	72 - 120	9	20
delta-BHC			16.6	12.4		ug/Kg		74	64 - 120	5	20
Endosulfan sulfate			16.6	15.5		ug/Kg		94	67 - 120	2	20
Methoxychlor			16.6	16.9		ug/Kg		102	71 - 132	2	20
alpha-Chlordane			16.6	16.3		ug/Kg		98	70 - 120	4	20
gamma-Chlordane			16.6	16.3		ug/Kg		98	68 - 120	4	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*88*		*57 - 122*
DCB Decachlorobiphenyl	*102*		*21 - 136*

Lab Sample ID: 720-57003-8 MS
Matrix: Solid
Analysis Batch: 158646

Client Sample ID: PS-4-7' EVELYN
Prep Type: Total/NA
Prep Batch: 158637

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Aldrin	ND		16.6	11.9		ug/Kg		72	53 - 120
Dieldrin	ND		16.6	12.4		ug/Kg		75	46 - 130
Endrin aldehyde	ND		16.6	5.04	F1	ug/Kg		30	40 - 120
Endrin	ND		16.6	12.8		ug/Kg		77	32 - 143
Endrin ketone	ND		16.6	4.16	F1	ug/Kg		25	40 - 120
Heptachlor	ND		16.6	8.46	F1	ug/Kg		51	52 - 120
Heptachlor epoxide	ND		16.6	12.6		ug/Kg		76	40 - 120
4,4'-DDT	ND		16.6	3.75		ug/Kg		23	17 - 144
4,4'-DDE	ND		16.6	16.3		ug/Kg		98	40 - 120
4,4'-DDD	ND		16.6	9.27		ug/Kg		56	40 - 120
Endosulfan I	ND		16.6	2.16	F1	ug/Kg		13	40 - 120
Endosulfan II	ND		16.6	ND	F1	ug/Kg		12	40 - 120
alpha-BHC	ND		16.6	ND	F1	ug/Kg		10	40 - 120
beta-BHC	ND		16.6	9.43		ug/Kg		57	40 - 120
gamma-BHC (Lindane)	ND		16.6	ND	F1	ug/Kg		11	58 - 120
delta-BHC	ND		16.6	ND	F1	ug/Kg		5	40 - 120
Endosulfan sulfate	ND		16.6	ND	F1	ug/Kg		12	40 - 120
Methoxychlor	ND		16.6	7.36		ug/Kg		44	40 - 120
alpha-Chlordane	ND		16.6	12.2		ug/Kg		73	40 - 120
gamma-Chlordane	ND		16.6	14.2		ug/Kg		86	40 - 120

Method: 8081A - Organochlorine Pesticides (GC) (Continued)

Lab Sample ID: 720-57003-8 MS
Matrix: Solid
Analysis Batch: 158646

Client Sample ID: PS-4-7' EVELYN
Prep Type: Total/NA
Prep Batch: 158637

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	*78*		*57 - 122*
DCB Decachlorobiphenyl	*83*		*21 - 136*

Lab Sample ID: 720-57003-8 MSD
Matrix: Solid
Analysis Batch: 158646

Client Sample ID: PS-4-7' EVELYN
Prep Type: Total/NA
Prep Batch: 158637

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aldrin	ND		16.6	10.6		ug/Kg		64	53 - 120	10	20
Dieldrin	ND		16.6	11.3		ug/Kg		68	46 - 130	10	20
Endrin aldehyde	ND		16.6	4.69	F1	ug/Kg		28	40 - 120	7	20
Endrin	ND		16.6	11.6		ug/Kg		70	32 - 143	10	20
Endrin ketone	ND		16.6	4.33	F1	ug/Kg		26	40 - 120	4	20
Heptachlor	ND		16.6	5.15	F1 F2	ug/Kg		31	52 - 120	49	20
Heptachlor epoxide	ND		16.6	11.4		ug/Kg		69	40 - 120	10	20
4,4'-DDT	ND		16.6	4.10		ug/Kg		25	17 - 144	9	20
4,4'-DDE	ND		16.6	16.1		ug/Kg		97	40 - 120	0	20
4,4'-DDD	ND		16.6	8.02		ug/Kg		48	40 - 120	14	20
Endosulfan I	ND		16.6	2.51	F1	ug/Kg		15	40 - 120	16	20
Endosulfan II	ND		16.6	2.31	F1	ug/Kg		14	40 - 120	21	30
alpha-BHC	ND		16.6	ND	F1	ug/Kg		11	40 - 120	8	20
beta-BHC	ND		16.6	8.20		ug/Kg		49	40 - 120	14	20
gamma-BHC (Lindane)	ND		16.6	2.08	F1 F2	ug/Kg		13	58 - 120	35	20
delta-BHC	ND		16.6	ND	F1	ug/Kg		6	40 - 120	20	20
Endosulfan sulfate	ND		16.6	2.33	F1 F2	ug/Kg		14	40 - 120	22	20
Methoxychlor	ND		16.6	8.65		ug/Kg		52	40 - 120	16	20
alpha-Chlordane	ND		16.6	10.9		ug/Kg		66	40 - 120	11	20
gamma-Chlordane	ND		16.6	13.0		ug/Kg		78	40 - 120	8	20

Surrogate	MSD %Recovery	MSD Qualifier	Limits
Tetrachloro-m-xylene	*68*		*57 - 122*
DCB Decachlorobiphenyl	*78*		*21 - 136*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Lab Sample ID: MB 720-158519/1-A
Matrix: Solid
Analysis Batch: 158561

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158519

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1221	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1232	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1242	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1248	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1254	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1
PCB-1260	ND		50		ug/Kg		05/01/14 16:02	05/02/14 15:17	1

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: MB 720-158519/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158561 — **Prep Batch: 158519**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Tetrachloro-m-xylene	82		45 - 132	05/01/14 16:02	05/02/14 15:17	1
DCB Decachlorobiphenyl	98		42 - 146	05/01/14 16:02	05/02/14 15:17	1

Lab Sample ID: LCS 720-158519/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158561 — **Prep Batch: 158519**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	131	114		ug/Kg		87	65 - 121
PCB-1260	131	127		ug/Kg		97	68 - 127

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Tetrachloro-m-xylene	77		45 - 132
DCB Decachlorobiphenyl	93		42 - 146

Lab Sample ID: LCSD 720-158519/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158561 — **Prep Batch: 158519**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	131	112		ug/Kg		85	65 - 121	2	20
PCB-1260	131	125		ug/Kg		95	68 - 127	1	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
Tetrachloro-m-xylene	76		45 - 132
DCB Decachlorobiphenyl	91		42 - 146

Lab Sample ID: 720-57003-1 MS — **Client Sample ID: PS-1-1' EVELYN**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158561 — **Prep Batch: 158519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		132	109		ug/Kg		83	69 - 120
PCB-1260	ND		132	121		ug/Kg		92	73 - 114

Surrogate	MS %Recovery	MS Qualifier	Limits
Tetrachloro-m-xylene	72		45 - 132
DCB Decachlorobiphenyl	86		42 - 146

Lab Sample ID: 720-57003-1 MSD — **Client Sample ID: PS-1-1' EVELYN**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158561 — **Prep Batch: 158519**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		130	106		ug/Kg		81	69 - 120	3	20
PCB-1260	ND		130	119		ug/Kg		91	73 - 114	2	20

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158561

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158519

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*71*		*45 - 132*
DCB Decachlorobiphenyl	*83*		*42 - 146*

Lab Sample ID: MB 720-158638/1-A
Matrix: Solid
Analysis Batch: 158634

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158638

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1221	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1232	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1242	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1248	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1254	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1
PCB-1260	ND		50		ug/Kg		05/03/14 09:15	05/03/14 15:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Tetrachloro-m-xylene	*75*		*45 - 132*	*05/03/14 09:15*	*05/03/14 15:42*	*1*
DCB Decachlorobiphenyl	*90*		*42 - 146*	*05/03/14 09:15*	*05/03/14 15:42*	*1*

Lab Sample ID: LCS 720-158638/2-A
Matrix: Solid
Analysis Batch: 158634

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158638

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
PCB-1016			133	115		ug/Kg		86	65 - 121		
PCB-1260			133	129		ug/Kg		97	68 - 127		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Tetrachloro-m-xylene	*72*		*45 - 132*
DCB Decachlorobiphenyl	*94*		*42 - 146*

Lab Sample ID: LCSD 720-158638/3-A
Matrix: Solid
Analysis Batch: 158634

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158638

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016			133	110		ug/Kg		83	65 - 121	4	20
PCB-1260			133	123		ug/Kg		92	68 - 127	5	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*71*		*45 - 132*
DCB Decachlorobiphenyl	*85*		*42 - 146*

Method: 8082 - Polychlorinated Biphenyls (PCBs) by Gas Chromatography (Continued)

Lab Sample ID: 720-57003-8 MS
Matrix: Solid
Analysis Batch: 158635

Client Sample ID: PS-4-7' EVELYN
Prep Type: Total/NA
Prep Batch: 158638

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	ND		133	110		ug/Kg		83	69 - 120
PCB-1260	ND		133	122		ug/Kg		92	73 - 114

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
Tetrachloro-m-xylene	*65*		*45 - 132*
DCB Decachlorobiphenyl	*78*		*42 - 146*

Lab Sample ID: 720-57003-8 MSD
Matrix: Solid
Analysis Batch: 158635

Client Sample ID: PS-4-7' EVELYN
Prep Type: Total/NA
Prep Batch: 158638

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	ND		133	109		ug/Kg		82	69 - 120	0	20
PCB-1260	ND		133	123		ug/Kg		93	73 - 114	1	20

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
Tetrachloro-m-xylene	*63*		*45 - 132*
DCB Decachlorobiphenyl	*77*		*42 - 146*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 720-158330/1-A
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	ND		0.50		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Arsenic	ND		1.0		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Beryllium	ND		0.10		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Chromium	ND		0.50		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Cobalt	ND		0.20		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Copper	ND		1.5		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Nickel	ND		0.50		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Vanadium	ND		0.50		mg/Kg		04/29/14 13:12	04/30/14 19:45	1
Zinc	1.74		1.5		mg/Kg		04/29/14 13:12	04/30/14 19:45	1

Lab Sample ID: MB 720-158330/1-A
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 20:12	1
Cadmium	ND		0.13		mg/Kg		04/29/14 13:12	05/01/14 20:12	1
Lead	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 20:12	1
Molybdenum	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 20:12	1
Selenium	ND		1.0		mg/Kg		04/29/14 13:12	05/01/14 20:12	1
Silver	ND		0.25		mg/Kg		04/29/14 13:12	05/01/14 20:12	1

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: MB 720-158330/1-A
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 158330

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	ND		0.50		mg/Kg		04/29/14 13:12	05/01/14 20:12	1

Lab Sample ID: LCS 720-158330/2-A
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	43.5		mg/Kg		87	80 - 120
Arsenic	50.0	45.5		mg/Kg		91	80 - 120
Beryllium	50.0	48.3		mg/Kg		97	80 - 120
Chromium	50.0	48.2		mg/Kg		96	80 - 120
Cobalt	50.0	47.4		mg/Kg		95	80 - 120
Copper	50.0	48.6		mg/Kg		97	80 - 120
Nickel	50.0	49.1		mg/Kg		98	80 - 120
Vanadium	50.0	45.9		mg/Kg		92	80 - 120
Zinc	50.0	46.9		mg/Kg		94	80 - 120

Lab Sample ID: LCS 720-158330/2-A
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	50.0	49.8		mg/Kg		100	80 - 120
Cadmium	50.0	50.9		mg/Kg		102	80 - 120
Lead	50.0	53.6		mg/Kg		107	80 - 120
Molybdenum	50.0	53.0		mg/Kg		106	80 - 120
Selenium	50.0	51.3		mg/Kg		103	80 - 120
Silver	25.0	24.1		mg/Kg		96	80 - 120
Thallium	50.0	53.3		mg/Kg		107	80 - 120

Lab Sample ID: LCSD 720-158330/3-A
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	50.0	44.1		mg/Kg		88	80 - 120	1	20
Arsenic	50.0	45.4		mg/Kg		91	80 - 120	0	20
Beryllium	50.0	48.9		mg/Kg		98	80 - 120	1	20
Chromium	50.0	48.5		mg/Kg		97	80 - 120	1	20
Cobalt	50.0	47.4		mg/Kg		95	80 - 120	0	20
Copper	50.0	49.0		mg/Kg		98	80 - 120	1	20
Nickel	50.0	49.3		mg/Kg		99	80 - 120	0	20
Vanadium	50.0	46.4		mg/Kg		93	80 - 120	1	20
Zinc	50.0	47.0		mg/Kg		94	80 - 120	0	20

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: LCSD 720-158330/3-A
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	50.0	49.5		mg/Kg		99	80 - 120	0	20
Cadmium	50.0	51.1		mg/Kg		102	80 - 120	1	20
Lead	50.0	54.0		mg/Kg		108	80 - 120	1	20
Molybdenum	50.0	53.7		mg/Kg		107	80 - 120	1	20
Selenium	50.0	51.7		mg/Kg		103	80 - 120	1	20
Silver	25.0	24.0		mg/Kg		96	80 - 120	0	20
Thallium	50.0	53.8		mg/Kg		108	80 - 120	1	20

Lab Sample ID: LCSSRM 720-158330/25-A
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	45.5	37.3		mg/Kg		82	69 - 119
Beryllium	155	137		mg/Kg		88	56 - 102
Chromium	106	92.4		mg/Kg		87	67 - 121
Cobalt	247	200		mg/Kg		81	64 - 133
Copper	130	116		mg/Kg		89	68 - 126
Nickel	305	267		mg/Kg		88	65 - 117
Vanadium	214	176		mg/Kg		82	67 - 123
Zinc	388	315		mg/Kg		81	62 - 110

Lab Sample ID: LCSSRM 720-158330/25-A
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	74.6	45.0		mg/Kg		60	11 - 101
Barium	579	533		mg/Kg		92	61 - 117
Cadmium	201	191		mg/Kg		95	67 - 118
Lead	302	290		mg/Kg		96	62 - 113
Molybdenum	165	160		mg/Kg		97	62 - 128
Selenium	133	135		mg/Kg		102	63 - 126
Silver	33.5	32.0		mg/Kg		95	51 - 130
Thallium	191	187		mg/Kg		98	64 - 124

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.87		50.0	8.50	F1	mg/Kg		15	75 - 125
Arsenic	3.8		50.0	38.6	F1	mg/Kg		70	75 - 125
Beryllium	0.096		50.0	38.0		mg/Kg		76	75 - 125
Chromium	50		50.0	87.3		mg/Kg		75	75 - 125
Cobalt	11		50.0	45.5	F1	mg/Kg		69	75 - 125
Copper	26		50.0	66.1		mg/Kg		80	75 - 125
Nickel	54		50.0	90.4	F1	mg/Kg		73	75 - 125
Vanadium	42		50.0	79.1	F1	mg/Kg		74	75 - 125

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	44	B	50.0	80.3	F1	mg/Kg		73	75 - 125

Lab Sample ID: 720-57003-1 MS
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Barium	140		50.0	170	F1	mg/Kg		53	75 - 125
Cadmium	ND		50.0	39.4		mg/Kg		79	75 - 125
Lead	5.7		50.0	46.4		mg/Kg		81	75 - 125
Molybdenum	ND		50.0	35.3	F1	mg/Kg		70	75 - 125
Selenium	ND		50.0	40.1		mg/Kg		79	75 - 125
Silver	ND		25.0	19.8		mg/Kg		79	75 - 125
Thallium	ND		50.0	38.3		mg/Kg		77	75 - 125

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158465

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.87		44.6	7.17	F1	mg/Kg		14	75 - 125	17	20
Arsenic	3.8		44.6	33.7	F1	mg/Kg		67	75 - 125	14	20
Beryllium	0.096		44.6	33.3	F1	mg/Kg		74	75 - 125	13	20
Chromium	50		44.6	80.3	F1	mg/Kg		69	75 - 125	8	20
Cobalt	11		44.6	40.7	F1	mg/Kg		67	75 - 125	11	20
Copper	26		44.6	60.8		mg/Kg		78	75 - 125	8	20
Nickel	54		44.6	85.6	F1	mg/Kg		71	75 - 125	5	20
Vanadium	42		44.6	73.4	F1	mg/Kg		70	75 - 125	7	20
Zinc	44	B	44.6	73.3	F1	mg/Kg		66	75 - 125	9	20

Lab Sample ID: 720-57003-1 MSD
Matrix: Solid
Analysis Batch: 158564

Client Sample ID: PS-1-1' EVELYN
Prep Type: Total/NA
Prep Batch: 158330

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Barium	140		44.6	187		mg/Kg		98	75 - 125	10	20
Cadmium	ND		44.6	34.1		mg/Kg		76	75 - 125	14	20
Lead	5.7		44.6	40.0		mg/Kg		77	75 - 125	15	20
Molybdenum	ND		44.6	29.7	F1	mg/Kg		66	75 - 125	17	20
Selenium	ND		44.6	34.1		mg/Kg		75	75 - 125	16	20
Silver	ND		22.3	17.4		mg/Kg		78	75 - 125	13	20
Thallium	ND		44.6	32.4	F1	mg/Kg		73	75 - 125	17	20

Method: 7471A - Mercury (CVAA)

Lab Sample ID: MB 720-158331/1-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158423 — **Prep Batch: 158331**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.010		mg/Kg		04/29/14 13:15	04/30/14 11:27	1

Lab Sample ID: LCS 720-158331/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158423 — **Prep Batch: 158331**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.833	0.867		mg/Kg		104	80 - 120

Lab Sample ID: LCSD 720-158331/3-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158423 — **Prep Batch: 158331**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.833	0.883		mg/Kg		106	80 - 120	2	20

Lab Sample ID: 720-57003-1 MS — **Client Sample ID: PS-1-1' EVELYN**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158423 — **Prep Batch: 158331**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.053		0.746	0.858		mg/Kg		108	75 - 125

Lab Sample ID: 720-57003-1 MSD — **Client Sample ID: PS-1-1' EVELYN**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 158423 — **Prep Batch: 158331**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.053		0.714	0.814		mg/Kg		107	75 - 125	5	20

GC/MS VOA

Analysis Batch: 158142

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	8260B	158177
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	8260B	158177
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	8260B	158177
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	8260B	158177
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	8260B	158177
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	8260B	158177
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	8260B	158177
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	8260B	158177
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	8260B	158177
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	8260B	158177
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	8260B	158177
LCS 720-158142/6	Lab Control Sample	Total/NA	Solid	8260B	
LCS 720-158142/8	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 720-158142/7	Lab Control Sample Dup	Total/NA	Solid	8260B	
LCSD 720-158142/9	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 720-158142/5	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 158145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	8260B	158176
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8260B	158176
720-57003-18 MS	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8260B	158176
720-57003-18 MSD	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8260B	158176
LCS 720-158145/5	Lab Control Sample	Total/NA	Solid	8260B	
LCS 720-158145/7	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 720-158145/6	Lab Control Sample Dup	Total/NA	Solid	8260B	
LCSD 720-158145/8	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 720-158145/4	Method Blank	Total/NA	Solid	8260B	

Prep Batch: 158176

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-18 MS	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-18 MSD	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	5030B	

Prep Batch: 158177

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	5030B	
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	5030B	
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	5030B	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	5030B	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	5030B	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	5030B	

GC/MS VOA (Continued)

Prep Batch: 158177 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	5030B	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	5030B	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	5030B	
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	5030B	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	5030B	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	5030B	

GC/MS Semi VOA

Prep Batch: 158369

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	3546	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	3546	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	3546	
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	3546	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	3546	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	3546	
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	3546	
LCS 720-158369/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158369/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158369/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 158411

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	8270C SIM	158369

Analysis Batch: 158412

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	8270C SIM	158369
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	8270C SIM	158369
LCS 720-158369/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	158369
LCSD 720-158369/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	158369
MB 720-158369/1-A	Method Blank	Total/NA	Solid	8270C SIM	158369

Prep Batch: 158450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Prep Batch: 158450 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-10 MS	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-10 MSD	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
LCS 720-158450/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158450/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158450/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 158492

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-10 MS	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-10 MSD	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8270C SIM	158450
LCS 720-158450/2-A	Lab Control Sample	Total/NA	Solid	8270C SIM	158450
LCSD 720-158450/3-A	Lab Control Sample Dup	Total/NA	Solid	8270C SIM	158450
MB 720-158450/1-A	Method Blank	Total/NA	Solid	8270C SIM	158450

GC Semi VOA

Analysis Batch: 158471

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-158495/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	158495
LCS 720-158532/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	158532
LCSD 720-158495/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	158495
LCSD 720-158532/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	158532
MB 720-158495/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	158495
MB 720-158532/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	158532

Prep Batch: 158495

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-2	PS-1-5' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-3	PS-2-2' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-4	PS-2-12' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-5	PS-3-3' EVELYN	Silica Gel Cleanup	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 158495 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-6	PS-3-8' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-7	PS-4-1.5' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-8	PS-4-7' EVELYN	Silica Gel Cleanup	Solid	3546	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
LCS 720-158495/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-158495/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-158495/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Prep Batch: 158518

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	3546	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	3546	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	3546	
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	3546	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	3546	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	3546	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
LCS 720-158518/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158518/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158518/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 158519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	3546	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	3546	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	3546	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	3546	
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	3546	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	3546	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	3546	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 158519 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	3546	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	3546	
LCS 720-158519/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158519/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158519/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 158532

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-15	PS-4-8' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
LCS 720-158532/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-158532/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-158532/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 158560

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-2	PS-1-5' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-3	PS-2-2' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-4	PS-2-12' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-5	PS-3-3' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-6	PS-3-8' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-7	PS-4-1.5' EVELYN	Silica Gel Cleanup	Solid	8015B	158495

Analysis Batch: 158561

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	8082	158519
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	8082	158519
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	8082	158519
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	8082	158519
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	8082	158519
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	8082	158519
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	8082	158519
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
LCS 720-158519/2-A	Lab Control Sample	Total/NA	Solid	8082	158519
LCSD 720-158519/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	158519
MB 720-158519/1-A	Method Blank	Total/NA	Solid	8082	158519

Analysis Batch: 158563

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	8082	158519
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	8082	158519

GC Semi VOA (Continued)

Analysis Batch: 158563 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	8082	158519
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	8082	158519

Analysis Batch: 158571

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-8	PS-4-7' EVELYN	Silica Gel Cleanup	Solid	8015B	158495
720-57003-9	PS-1-1' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-10	PS-2-3' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-11	PS-2-8' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-15	PS-4-8' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158532
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158532
LCS 720-158578/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	8015B	158578
LCSD 720-158578/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	8015B	158578
MB 720-158578/1-A	Method Blank	Silica Gel Cleanup	Solid	8015B	158578

Analysis Batch: 158572

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-13	PS-3-12' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-14	PS-4-2' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158495
720-57003-17	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158578
720-57003-17 MS	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158578
720-57003-17 MSD	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158578
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	8015B	158532

Analysis Batch: 158575

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	8081A	158518
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	8081A	158518
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	8081A	158518
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	8081A	158518
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	8081A	158518
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	8081A	158518
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	8081A	158518
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	8081A	158518
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	8081A	158518
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	8081A	158518

GC Semi VOA (Continued)

Analysis Batch: 158575 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-158518/2-A	Lab Control Sample	Total/NA	Solid	8081A	158518
LCSD 720-158518/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	158518
MB 720-158518/1-A	Method Blank	Total/NA	Solid	8081A	158518

Prep Batch: 158578

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-17	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-17 MS	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
720-57003-17 MSD	PS-5-7' EVELYN/MARSHALL	Silica Gel Cleanup	Solid	3546	
LCS 720-158578/2-A	Lab Control Sample	Silica Gel Cleanup	Solid	3546	
LCSD 720-158578/3-A	Lab Control Sample Dup	Silica Gel Cleanup	Solid	3546	
MB 720-158578/1-A	Method Blank	Silica Gel Cleanup	Solid	3546	

Analysis Batch: 158634

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 720-158638/2-A	Lab Control Sample	Total/NA	Solid	8082	158638
LCSD 720-158638/3-A	Lab Control Sample Dup	Total/NA	Solid	8082	158638
MB 720-158638/1-A	Method Blank	Total/NA	Solid	8082	158638

Analysis Batch: 158635

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	8082	158638
720-57003-8 MS	PS-4-7' EVELYN	Total/NA	Solid	8082	158638
720-57003-8 MSD	PS-4-7' EVELYN	Total/NA	Solid	8082	158638

Prep Batch: 158637

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	3546	
720-57003-8 MS	PS-4-7' EVELYN	Total/NA	Solid	3546	
720-57003-8 MSD	PS-4-7' EVELYN	Total/NA	Solid	3546	
LCS 720-158637/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158637/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158637/1-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 158638

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	3546	
720-57003-8 MS	PS-4-7' EVELYN	Total/NA	Solid	3546	
720-57003-8 MSD	PS-4-7' EVELYN	Total/NA	Solid	3546	
LCS 720-158638/2-A	Lab Control Sample	Total/NA	Solid	3546	
LCSD 720-158638/3-A	Lab Control Sample Dup	Total/NA	Solid	3546	
MB 720-158638/1-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 158646

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	8081A	158637
720-57003-8 MS	PS-4-7' EVELYN	Total/NA	Solid	8081A	158637
720-57003-8 MSD	PS-4-7' EVELYN	Total/NA	Solid	8081A	158637
LCS 720-158637/2-A	Lab Control Sample	Total/NA	Solid	8081A	158637
LCSD 720-158637/3-A	Lab Control Sample Dup	Total/NA	Solid	8081A	158637
MB 720-158637/1-A	Method Blank	Total/NA	Solid	8081A	158637

Metals

Prep Batch: 158330

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	3050B	
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	3050B	
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	3050B	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	3050B	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	3050B	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	3050B	
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	3050B	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	3050B	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	3050B	
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	3050B	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	3050B	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	3050B	
LCS 720-158330/2-A	Lab Control Sample	Total/NA	Solid	3050B	
LCSD 720-158330/3-A	Lab Control Sample Dup	Total/NA	Solid	3050B	
LCSSRM 720-158330/25-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 720-158330/1-A	Method Blank	Total/NA	Solid	3050B	

Prep Batch: 158331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	7471A	
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	7471A	
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	7471A	
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	7471A	
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	7471A	
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	7471A	
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	7471A	
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	7471A	
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	7471A	
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	7471A	
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	7471A	
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	
LCS 720-158331/2-A	Lab Control Sample	Total/NA	Solid	7471A	
LCSD 720-158331/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	
MB 720-158331/1-A	Method Blank	Total/NA	Solid	7471A	

Metals (Continued)

Analysis Batch: 158423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	7471A	158331
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	7471A	158331
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	7471A	158331
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	7471A	158331
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	7471A	158331
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	7471A	158331
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	7471A	158331
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	7471A	158331
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	7471A	158331
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	7471A	158331
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	7471A	158331
LCS 720-158331/2-A	Lab Control Sample	Total/NA	Solid	7471A	158331
LCSD 720-158331/3-A	Lab Control Sample Dup	Total/NA	Solid	7471A	158331
MB 720-158331/1-A	Method Blank	Total/NA	Solid	7471A	158331

Analysis Batch: 158465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	6010B	158330
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	6010B	158330
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	6010B	158330
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	6010B	158330
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	6010B	158330
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	6010B	158330
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	6010B	158330
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
LCS 720-158330/2-A	Lab Control Sample	Total/NA	Solid	6010B	158330
LCSD 720-158330/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	158330
LCSSRM 720-158330/25-A	Lab Control Sample	Total/NA	Solid	6010B	158330
MB 720-158330/1-A	Method Blank	Total/NA	Solid	6010B	158330

Metals (Continued)

Analysis Batch: 158564

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
720-57003-1	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-1 MS	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-1 MSD	PS-1-1' EVELYN	Total/NA	Solid	6010B	158330
720-57003-2	PS-1-5' EVELYN	Total/NA	Solid	6010B	158330
720-57003-3	PS-2-2' EVELYN	Total/NA	Solid	6010B	158330
720-57003-4	PS-2-12' EVELYN	Total/NA	Solid	6010B	158330
720-57003-5	PS-3-3' EVELYN	Total/NA	Solid	6010B	158330
720-57003-6	PS-3-8' EVELYN	Total/NA	Solid	6010B	158330
720-57003-7	PS-4-1.5' EVELYN	Total/NA	Solid	6010B	158330
720-57003-8	PS-4-7' EVELYN	Total/NA	Solid	6010B	158330
720-57003-9	PS-1-1' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-10	PS-2-3' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-11	PS-2-8' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-13	PS-3-12' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-14	PS-4-2' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-15	PS-4-8' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-17	PS-5-7' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Total/NA	Solid	6010B	158330
LCS 720-158330/2-A	Lab Control Sample	Total/NA	Solid	6010B	158330
LCSD 720-158330/3-A	Lab Control Sample Dup	Total/NA	Solid	6010B	158330
LCSSRM 720-158330/25-A	Lab Control Sample	Total/NA	Solid	6010B	158330
MB 720-158330/1-A	Method Blank	Total/NA	Solid	6010B	158330

Client Sample ID: PS-1-1' EVELYN

Lab Sample ID: 720-57003-1

Date Collected: 04/25/14 07:39

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/25/14 23:15	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158412	04/30/14 14:56	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 11:34	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 09:41	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 13:41	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 13:03	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:06	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 20:35	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:39	EFH	TAL PLS

Client Sample ID: PS-1-5' EVELYN

Lab Sample ID: 720-57003-2

Date Collected: 04/25/14 07:40

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/25/14 23:44	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158412	04/30/14 14:15	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 10:06	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 13:59	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 13:20	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:15	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 20:45	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:41	EFH	TAL PLS

Lab Chronicle

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-2-2' EVELYN

Lab Sample ID: 720-57003-3

Date Collected: 04/25/14 07:47
Matrix: Solid
Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 00:13	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158412	04/30/14 14:36	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 10:30	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 14:17	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 13:37	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:19	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 20:49	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:43	EFH	TAL PLS

Client Sample ID: PS-2-12' EVELYN

Lab Sample ID: 720-57003-4

Date Collected: 04/25/14 07:49
Matrix: Solid
Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 00:42	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158411	04/30/14 14:20	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 10:54	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 14:35	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 13:53	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:24	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 20:54	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:45	EFH	TAL PLS

Client Sample ID: PS-3-3' EVELYN

Lab Sample ID: 720-57003-5

Date Collected: 04/25/14 08:00

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 01:12	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158411	04/30/14 16:16	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 11:19	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 14:53	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 14:10	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:37	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:09	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:48	EFH	TAL PLS

Client Sample ID: PS-3-8' EVELYN

Lab Sample ID: 720-57003-6

Date Collected: 04/25/14 08:05

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 01:41	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158411	04/30/14 15:06	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 11:43	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 15:11	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 12:30	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:41	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:13	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:55	EFH	TAL PLS

Client Sample ID: PS-4-1.5' EVELYN

Lab Sample ID: 720-57003-7

Date Collected: 04/25/14 08:10

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 02:10	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158411	04/30/14 15:30	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158560	05/02/14 12:07	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 15:29	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 12:47	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:45	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:18	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 11:58	EFH	TAL PLS

Client Sample ID: PS-4-7' EVELYN

Lab Sample ID: 720-57003-8

Date Collected: 04/25/14 08:14

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 02:39	PDR	TAL PLS
Total/NA	Prep	3546			158369	04/29/14 18:03	DFR	TAL PLS
Total/NA	Analysis	8270C SIM		1	158411	04/30/14 15:53	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 18:54	DCH	TAL PLS
Total/NA	Prep	3546			158637	05/03/14 09:12	JRM	TAL PLS
Total/NA	Analysis	8081A		1	158646	05/03/14 22:19	JZT	TAL PLS
Total/NA	Prep	3546			158638	05/03/14 09:15	JRM	TAL PLS
Total/NA	Analysis	8082		1	158635	05/03/14 14:52	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:49	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:23	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:00	EFH	TAL PLS

Lab Chronicle

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-1-1' EVELYN/MARSHALL

Lab Sample ID: 720-57003-9

Date Collected: 04/25/14 08:41
Matrix: Solid
Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 03:09	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 20:58	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 19:23	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 16:05	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 13:20	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:54	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:28	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:02	EFH	TAL PLS

Client Sample ID: PS-2-3' EVELYN/MARSHALL

Lab Sample ID: 720-57003-10

Date Collected: 04/25/14 08:48
Matrix: Solid
Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 03:38	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 20:34	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 19:53	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 16:23	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 13:37	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 20:58	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:33	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:05	EFH	TAL PLS

Client Sample ID: PS-2-8' EVELYN/MARSHALL

Lab Sample ID: 720-57003-11

Date Collected: 04/25/14 08:50

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 04:06	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 21:21	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 20:22	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 16:42	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 13:53	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:02	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:38	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:08	EFH	TAL PLS

Client Sample ID: PS-3-4.5' EVELYN/MARSHALL

Lab Sample ID: 720-57003-12

Date Collected: 04/25/14 09:00

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 04:35	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 21:45	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158572	05/02/14 18:54	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 17:00	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 14:10	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:07	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 21:43	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:10	EFH	TAL PLS

Client Sample ID: PS-3-12' EVELYN/MARSHALL

Lab Sample ID: 720-57003-13

Date Collected: 04/25/14 09:09

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 05:05	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 22:09	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158572	05/02/14 19:23	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 17:18	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 14:27	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		2	158564	05/01/14 21:48	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:12	EFH	TAL PLS

Client Sample ID: PS-4-2' EVELYN/MARSHALL

Lab Sample ID: 720-57003-14

Date Collected: 04/25/14 09:20

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 05:34	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 22:32	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158495	05/01/14 14:54	CJG	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158572	05/02/14 20:51	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 17:36	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 14:43	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		2	158564	05/01/14 21:52	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:15	EFH	TAL PLS

Client Sample ID: PS-4-8' EVELYN/MARSHALL

Lab Sample ID: 720-57003-15

Date Collected: 04/25/14 09:25

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 06:03	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS

Client Sample ID: PS-4-8' EVELYN/MARSHALL

Lab Sample ID: 720-57003-15

Date Collected: 04/25/14 09:25

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 22:56	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158532	05/01/14 19:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 20:51	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 17:53	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158563	05/02/14 15:00	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:28	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 22:08	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:17	EFH	TAL PLS

Client Sample ID: PS-5-2.5' EVELYN/MARSHALL

Lab Sample ID: 720-57003-16

Date Collected: 04/25/14 09:30

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158177	04/25/14 21:06	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158142	04/26/14 06:32	PDR	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 23:19	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158532	05/01/14 19:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158571	05/02/14 21:20	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 18:11	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 17:55	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:33	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 22:13	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:24	EFH	TAL PLS

Client Sample ID: PS-5-7' EVELYN/MARSHALL

Lab Sample ID: 720-57003-17

Date Collected: 04/25/14 09:34

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158176	04/25/14 20:45	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158145	04/26/14 05:47	ASC	TAL PLS

Lab Chronicle

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Client Sample ID: PS-5-7' EVELYN/MARSHALL

Lab Sample ID: 720-57003-17

Date Collected: 04/25/14 09:34

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/01/14 23:43	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158578	05/02/14 10:27	STL	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158572	05/02/14 23:47	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 18:29	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 18:12	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:37	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 22:17	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:27	EFH	TAL PLS

Client Sample ID: PS-6-1.5' EVELYN/MARSHALL

Lab Sample ID: 720-57003-18

Date Collected: 04/25/14 09:38

Matrix: Solid

Date Received: 04/25/14 12:20

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5030B			158176	04/25/14 20:45	LPL	TAL PLS
Total/NA	Analysis	8260B		1	158145	04/25/14 23:34	ASC	TAL PLS
Total/NA	Prep	3546			158450	04/30/14 17:43	STL	TAL PLS
Total/NA	Analysis	8270C SIM		1	158492	05/02/14 00:06	MQL	TAL PLS
Silica Gel Cleanup	Prep	3546			158532	05/01/14 19:09	DFR	TAL PLS
Silica Gel Cleanup	Analysis	8015B		1	158572	05/02/14 20:22	DCH	TAL PLS
Total/NA	Prep	3546			158518	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8081A		1	158575	05/02/14 18:47	JZT	TAL PLS
Total/NA	Prep	3546			158519	05/01/14 16:02	AFM	TAL PLS
Total/NA	Analysis	8082		1	158561	05/02/14 18:28	JZT	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158465	04/30/14 21:41	SLK	TAL PLS
Total/NA	Prep	3050B			158330	04/29/14 13:12	JCR	TAL PLS
Total/NA	Analysis	6010B		1	158564	05/01/14 22:23	SLK	TAL PLS
Total/NA	Prep	7471A			158331	04/29/14 13:15	JCR	TAL PLS
Total/NA	Analysis	7471A		1	158423	04/30/14 12:29	EFH	TAL PLS

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Certification Summary

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Laboratory: TestAmerica Pleasanton

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
California	State Program	9	2496	01-31-16

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
6010B	3050B	Solid	Thallium

Method Summary

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL PLS
8270C SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	TAL PLS
8015B	Diesel Range Organics (DRO) (GC)	SW846	TAL PLS
8081A	Organochlorine Pesticides (GC)	SW846	TAL PLS
8082	Polychlorinated Biphenyls (PCBs) by Gas Chromatography	SW846	TAL PLS
6010B	Metals (ICP)	SW846	TAL PLS
7471A	Mercury (CVAA)	SW846	TAL PLS
Carb 435	General Sub Contract Method	NONE	

Protocol References:

NONE = NONE

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

= Asbestos TEM Laboratories, Inc., 630 BANCROFT WAY, Berkeley, CA 94710

TAL PLS = TestAmerica Pleasanton, 1220 Quarry Lane, Pleasanton, CA 94566, TEL (925)484-1919

Sample Summary

Client: Pacific States Environmental
Project/Site: Evelyn Ironworks

TestAmerica Job ID: 720-57003-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
720-57003-1	PS-1-1' EVELYN	Solid	04/25/14 07:39	04/25/14 12:20
720-57003-2	PS-1-5' EVELYN	Solid	04/25/14 07:40	04/25/14 12:20
720-57003-3	PS-2-2' EVELYN	Solid	04/25/14 07:47	04/25/14 12:20
720-57003-4	PS-2-12' EVELYN	Solid	04/25/14 07:49	04/25/14 12:20
720-57003-5	PS-3-3' EVELYN	Solid	04/25/14 08:00	04/25/14 12:20
720-57003-6	PS-3-8' EVELYN	Solid	04/25/14 08:05	04/25/14 12:20
720-57003-7	PS-4-1.5' EVELYN	Solid	04/25/14 08:10	04/25/14 12:20
720-57003-8	PS-4-7' EVELYN	Solid	04/25/14 08:14	04/25/14 12:20
720-57003-9	PS-1-1' EVELYN/MARSHALL	Solid	04/25/14 08:41	04/25/14 12:20
720-57003-10	PS-2-3' EVELYN/MARSHALL	Solid	04/25/14 08:48	04/25/14 12:20
720-57003-11	PS-2-8' EVELYN/MARSHALL	Solid	04/25/14 08:50	04/25/14 12:20
720-57003-12	PS-3-4.5' EVELYN/MARSHALL	Solid	04/25/14 09:00	04/25/14 12:20
720-57003-13	PS-3-12' EVELYN/MARSHALL	Solid	04/25/14 09:09	04/25/14 12:20
720-57003-14	PS-4-2' EVELYN/MARSHALL	Solid	04/25/14 09:20	04/25/14 12:20
720-57003-15	PS-4-8' EVELYN/MARSHALL	Solid	04/25/14 09:25	04/25/14 12:20
720-57003-16	PS-5-2.5' EVELYN/MARSHALL	Solid	04/25/14 09:30	04/25/14 12:20
720-57003-17	PS-5-7' EVELYN/MARSHALL	Solid	04/25/14 09:34	04/25/14 12:20
720-57003-18	PS-6-1.5' EVELYN/MARSHALL	Solid	04/25/14 09:38	04/25/14 12:20

ASBESTOS TEM LABORATORIES, INC.

CARB Method 435
Polarized Light Microscopy
Analytical Report

Laboratory Job # 1283-00321

630 Bancroft Way
Berkeley, CA 94710
(510) 704-8930
FAX (510) 704-8429

ASBESTOS TEM LABORATORIES, INC

CA DPH ELAP
Lab No. 1866

NVLAP Lab Code: 101891-0
Berkeley, CA

Apr/30/2014

Dimple Sharma
TestAmerica Laboratories, Inc.
1220 Quarry Lane
Pleasanton, CA 94566

RE: LABORATORY JOB # 1283-00321
Polarized light microscopy analytical results for 6 bulk sample(s).
Job Site: 720-57003-1
Job No.: Evelyn Ironworks

Enclosed please find the bulk material analytical results for one or more samples submitted for asbestos analysis. The analyses were performed in accordance with the California Air Resources Board (ARB) Method 435 for the determination of asbestos in serpentine aggregate samples.

Prior to analysis, samples are logged-in and all data pertinent to the sample recorded. The samples are checked for damage or disruption of any chain-of-custody seals. A unique laboratory ID number is assigned to each sample. A hard copy log-in sheet containing all pertinent information concerning the sample is generated. This and all other relevant paper work are kept with the sample throughout the analytical procedures to assure proper analysis.

Sample preparation follows a standard CARB 435 prep method. The entire sample is dried at 135-150 C and then crushed to ~3/8" gravel size using a Bico Chipmunk crusher. If the submitted sample is >1 pint, the sample was split using a 1/2" riffle splitter following ASTM Method C-702-98 to obtain a 1 pint aliquot. The entire 1 pint aliquot, or entire original sample, is then pulverized in a Bico Braun disc pulverizer calibrated to produce a nominal 200 mesh final product. If necessary, additional homogenization steps are undertaken using a 3/8" riffle splitter. Small aliquots are collected from throughout the pulverized material to create three separate microsope slide mounts containing the appropriate refractive index oil. The prepared slides are placed under a polarizing light microscope where standard mineralogical techniques are used to analyze the various materials present, including asbestos. If asbestos is identified and of less than 10% concentration by visual area estimate then an additional five sample mounts are prepared. Quantification of asbestos concentration is obtained using the standard CAL ARB Method 435 point count protocol. For samples observed to contain visible asbestos of less than 10% concentration, a point counting techinique is used with 50 points counted on each of eight sample mounts for a total of 400 points. The data is then compiled into standard report format and subjected to a thorough quality assurance check before the information is released to the client.

While the CARB 435 method has much to commend it, there are a number of situations where it fails to provide sufficient accuracy to make a definitive determination of the presence/absence of asbestos and/or an accurate count of the asbestos concentration present in a given sample. These problems include, but are not limited to, 1) statistical uncertainty with samples containing <1% asbestos when too few particles are counted, 2) definitive identification and discrimination between various fibrous amphibole minerals such as tremolite/actinolite/hornblende and the "Libby amphiboles" such as tremolite/winchite/richterite/arfvedsonite, and C) small asbestiform fibers which are near or below the resolution limit of the PLM microscope such as those found in various California coast range serpentine bodies. In these cases, further analysis by transmission electron microscopy is recommended to obtain a more accurate result.

Sincerely Yours,

Lab Manager
ASBESTOS TEM LABORATORIES, INC.

POLARIZED LIGHT MICROSCOPY
CARB 435 ANALYTICAL REPORT

Contact: Dimple Sharma

Address: TestAmerica Laboratories, Inc.
1220 Quarry Lane
Pleasanton, CA 94566

Samples Submitted: 6
Samples Analyzed: 6
Job Site / No. Evelyn Ironworks
720-57003-1

Report No. **325552**
Date Submitted: Apr-25-14
Date Reported: Apr-30-14

SAMPLE ID	POINTS COUNTED	ASBESTOS %	ASBESTOS TYPE	LOCATION / DESCRIPTION
720-57003-1 Lab ID # 1283-00321-001	**400** - Total Points	**<0.25%**	**None Detected**	PS-1-1' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
720-57003-2 Lab ID # 1283-00321-002	**400** - Total Points	**<0.25%**	**None Detected**	PS-1-5' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
720-57003-4 Lab ID # 1283-00321-003	**400** - Total Points	**<0.25%**	**None Detected**	PS-2-12' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
720-57003-5 Lab ID # 1283-00321-004	**400** - Total Points	**<0.25%**	**None Detected**	PS-3-3' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
720-57003-6 Lab ID # 1283-00321-005	**400** - Total Points	**<0.25%**	**None Detected**	PS-3-8' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
720-57003-8 Lab ID # 1283-00321-006	**400** - Total Points	**<0.25%**	**None Detected**	PS-4-7' EVELYN No Asbestos Detected - No Point Count Performed - ARB Exception I
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			
Lab ID #	- Total Points			

QC Reviewer _____ **Analyst** _____

TestAmerica Pleasanton
1220 Quarry Lane
Pleasanton, CA 94566
Phone (925) 484-1919 Fax (925) 600-3002

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Sharma, Dimple	Carrier Tracking No(s):	COC No: 720-20902.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: dimple.sharma@testamericainc.com		Page: Page 1 of 1
Company: [redacted]				Job #: 720-57003-1
Address: 630 BANCROFT WAY,	Due Date Requested: 5/1/2014			
City: Berkeley	TAT Requested (days):			
State, Zip: CA, 94710				
Phone:	PO #:			
Email:	WO #:			
Project Name: Evelyn Ironworks	Project #: 72005601			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2SO3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - ph 4-5, Z - other (specify)
Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SUB (Carb 435)/ Carb 435	Total Number of containers	Special Instructions/Note:
			Preservation Code:						
PS-1-1' EVELYN (720-57003-1)	4/25/14	07:39 Pacific		Solid			X	1	
PS-1-5' EVELYN (720-57003-2)	4/25/14	07:40 Pacific		Solid			X	1	
PS-2-12' EVELYN (720-57003-4)	4/25/14	07:49 Pacific		Solid			X	1	
PS-3-3' EVELYN (720-57003-5)	4/25/14	08:00 Pacific		Solid			X	1	
PS-3-8' EVELYN (720-57003-6)	4/25/14	08:05 Pacific		Solid			X	1	
PS-4-7' EVELYN (720-57003-8)	4/25/14	08:14 Pacific		Solid			X	1	

Possible Hazard Identification
Unconfirmed
Deliverable Requested: I, II, III, IV, Other (specify)

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ *Return To Client* ☐ *Disposal By Lab* ☐ *Archive For* _____ *Months*
Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-25-14 1430	TAP	[signature]	04-25-14 P02:34	IN ATEN
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Chain of Custody Record

1/2 720-57003 153333

Pacific States ENVIRONMENTAL CONTRACTORS, INC.

Company: Pacific States Environmental Contractors	**Project Name:** Evelyn Ironworks	**Sampled By:** Bryan Brasesco	**Report To:** Bryan Evans
11555 Dublin Blvd Dublin, CA Phone: 925-803-4333 Fax: 925-803-4334	**Project Location** Sunnyvale	**Signature:** Bryan Brasesco **Date:** 4/25/14	**E-mail: (Preferred Delivery)** Bevans@pacificstates.net Bbrasesco@pacificstates.net
Project Manager: Bryan Brasesco	**PO/Job #** 613102		**Phone:** 925-361-1426
Phone: 925-785-9959			**Fax:** 925-803-4334
E-Mail bbrasesco@pacificstates.net			PS-1-PS-4 Evelyn Place Secondary Sample ~~for~~ for use with Carb 435 Do Not Subp Entire Sample just what's needed

#	Sample Identification	Sample Date	Sample Time	# of Containers	Preservative	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other	Filtered Sample	VOC w/GRO (EPA 8260)	TPH DRO and Motor Oil (EPA 8015B)	w/Silica Gel Cleanup (EPA 3630M)	Pesticides (EPA 8081A)	PCB's (EPA 8082)	SVOC (EPA 8270C)	CAM 17 (EPA 6010B)	Asbestos Carb 435	PH (EPA 9040)	PAH (EPA 8270C SIM) SIM list Only
1	PS-1-1' Evelyn	4/25	7:39	2	jar					X			X	X	X	X	X		X	X		X
2	-1-5'		7:40																	X		
3	-2-2'		7:47																			
4	-2-12'		7:49																	X		
5	-3-3'		8:00																	X		
6	-3-8'		8:05																	X		
7	-4-1.5'		8:10																			
8	-4-7'		8:14																	X		
9	PS-1-1' Evelyn/Marshall		8:41	1																		
10	PS-2-3'		8:48																			
11	-2-8'		8:50																			
12	PS-3-4.5'		9:00																			

720-57003 Chain of Custody

Preservatives: Ice, HCl, H2SO4, HNO3, NaOH

Turn Around Time

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B | Unknown

☒ 5 Days (standard) ☐ 72 Hours ☐ 48 Hours ☐ 24 Hours ☐ Other_____

Special Instructions/QC Requirements & Comments:

Laboratory Comments:

Temperature: 4.7°C

	Company	Date	Time	Received by	Company	Date	Time
Relinquished by: Bryan Brasesco	PSEC	4/25/14	1220				
Relinquished by:				Received by:			
Relinquished by:				Received by:			

	Company	Date	Time
Received by:	TestAmerica	4-25-14	1220
Received by:			
Received by:			

5/5/2014

Chain of Custody Record

2/2
720-57003

153333

Pacific States
ENVIRONMENTAL CONTRACTORS, INC.

Company: Pacific States Environmental Contractors	**Project Name:** Evelyn Ironworks	**Sampled By:** Bryan Brasesco	**Report To:** Bryan Evans
11555 Dublin Blvd Dublin, CA Phone: 925-803-4333 Fax: 925-803-4334	**Project Location:** Sunnyvale	**Signature:** Bryan Brasesco **Date:** 4/25/14	**E-mail: (Preferred Delivery)** Bevans@pacificstates.net Bbrasesco@pacificstates.net
Project Manager: Bryan Brasesco	**PO/Job #:** 613102		**Phone:** 925-361-1426
Phone: 925-785-9959			**Fax:** 925-803-4334
E-Mail: bbrasesco@pacificstates.net			

Sample Identification	Sample Date	Sample Time	# of Containers	Preservative	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other	Filtered Sample	VOC w/GRO (EPA 8260)	TPH DRO and Motor Oil (EPA 8015B)	w/Silica Gel Cleanup (EPA 3630M)	Pesticides (EPA 8081A)	PCB's (EPA 8082)	SVOC (EPA 8270C)	CAM 17 (EPA 6010B)	Asbestos	PH (EPA 9040)	PAH (EPA 8270C SIM) SIM list Only	Sample Specific Notes:
1 PS-3-12' Evelyn/Marshall	4/25	9:09	1	Ice					X			X	X	X	X	X		X			X	
2 PS-4-2'		9:20																				
3 -4-8'		9:25																				
4 -5-2.5'		9:30																				
5 -5-7'		9:34																				
6 -6-1.5'		9:38																				
7																						
8																						
9																						
10																						
11																						
12																						

Preservatives: Ice, HCl, H2SO4, HNO3, NaOH

Turn Around Time

Possible Hazard Identification

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

X 5 Days (standard) ☐ 72 Hours ☐ 48 Hours ☐ 24 Hours ☐ Other_____

Special Instructions/QC Requirements & Comments:

Laboratory Comments:

Temperature: 4.7°C

Relinquished by:	Company:	Date	Time	Received by:	Company:	Date	Time
Bryan Brasesco	PSEC	4/25/14	1220	[illegible]	TestAmerica	4-25-14	1220
Relinquished by:	Company:	Date	Time	Received by:	Company:	Date	Time
Relinquished by:	Company:	Date	Time	Received by:	Company:	Date	Time

5/5/2014

Login Sample Receipt Checklist

Client: Pacific States Environmental

Job Number: 720-57003-1

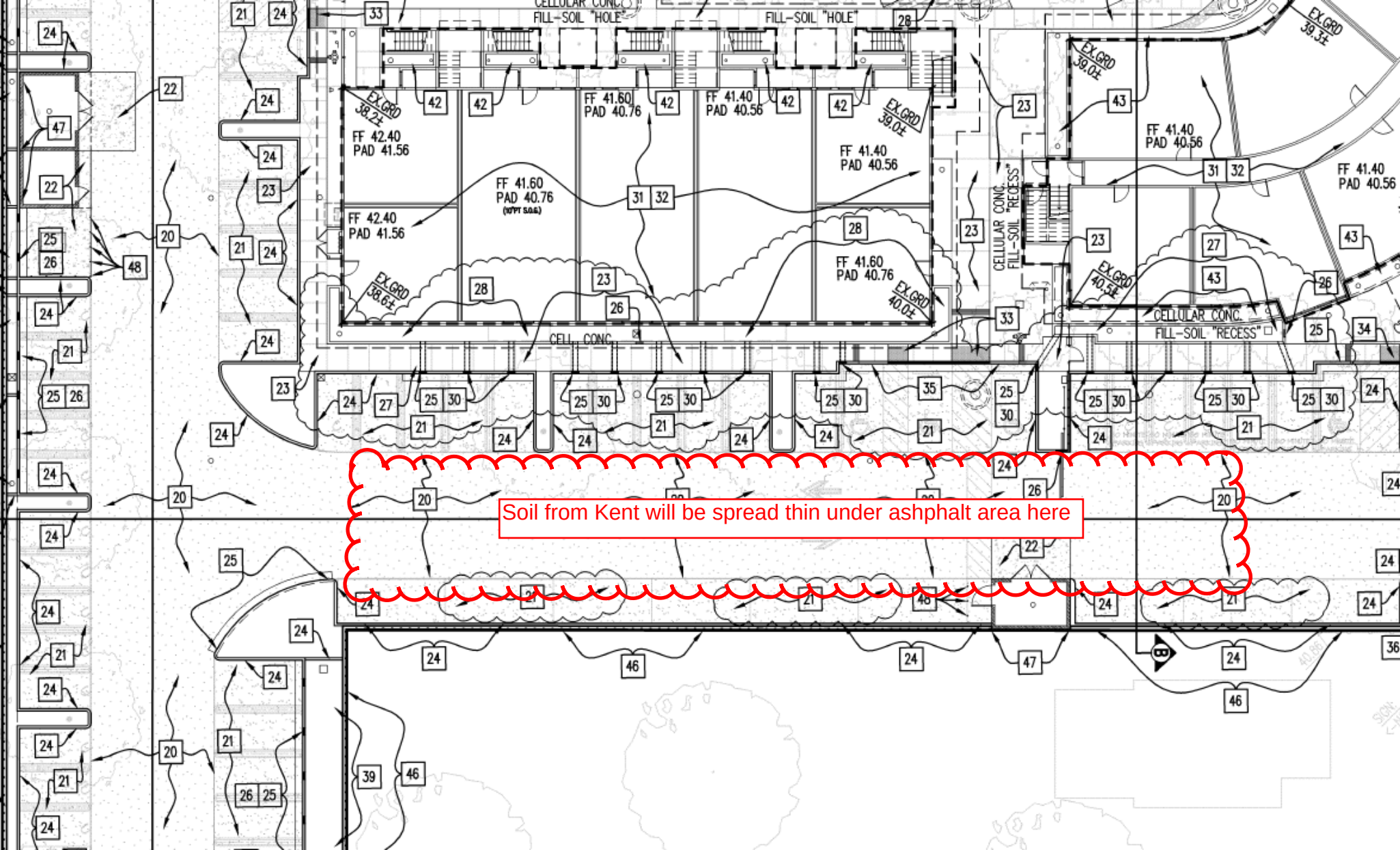
Login Number: 57003

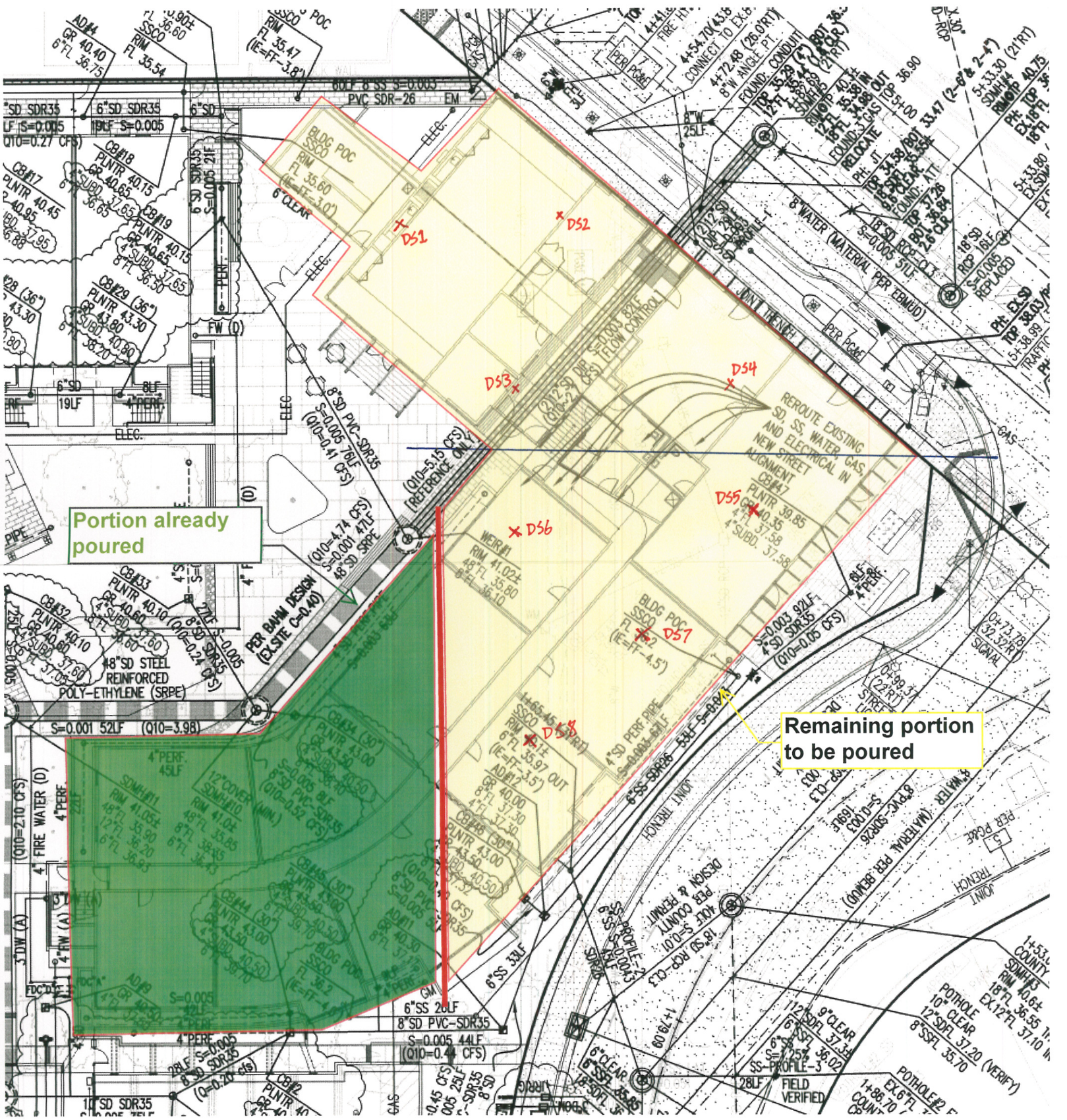
List Source: TestAmerica Pleasanton

List Number: 1

Creator: Mullen, Joan

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	


Soil from Kent will be spread thin under ashphalt area here
FF 42.40
PAD 41.56
FF 41.60
PAD 40.76
FF 41.40
PAD 40.56
EX.GRD
FILL-SOIL "HOLE"
CELLULAR CONC.
FILL-SOIL "RECESS"
CELL. CONC.


Portion already poured
Remaining portion to be poured
D51
D52
D53
D54
D55
D56
D57
D58
PVC SDR-26
8"WATER (MATERIAL PER EBMUD)
REROUTE EXISTING SD, SS, WATER GAS, AND ELECTRICAL IN NEW STREET ALIGNMENT
48"SD STEEL REINFORCED POLY-ETHYLENE (SRPE)
PER BAHM DESIGN (EXISTE C=0.40)
6"SS-SDR26 53LF S=0.003
4"SD PERF PIPE S=0.003 61LF
8"SD PVC-SDR35 S=0.005 44LF (Q10=0.44 CFS)
6"SS 33LF
6"SS 26LF
8"SD PVC-SDR35 S=0.005 76LF (Q10=0.41 CFS)
(Q10=5.15 CFS) [REFERENCE ONLY]
(Q10=4.74 CFS) S=0.001 47LF
S=0.001 52LF (Q10=3.98)
S=0.003 92LF 4"SD SDR35 (Q10=0.05 CFS)
4"PERF. 45LF
4"PERF. 28LF
4"PERF. 8LF
4" FIRE WATER (D) (Q10=2.10 CFS)
3"DW (A)
4"RW (A)
JOINT TRENCH
PER PG&E
FIELD VERIFIED
POTHOLE #1
POTHOLE #2
BLDG POC SSCO
WEIR #1
CB#47 PLNTR 39.85
CB#48 PLNTR 43.00
CB#49 PLNTR 43.00
CB#44 PLNTR 43.00
CB#45 PLNTR 43.00
CB#46 PLNTR 43.00
CB#34 (30") PLNTR 43.00
CB#33 PLNTR 40.10
CB#32 PLNTR 40.10
CB#29 (36") PLNTR 43.30
CB#18 PLNTR 40.15
CB#19 PLNTR 40.15
CB#17 PLNTR 40.45
CB#12 PLNTR 40.
SDMH#11
SDMH#10
SDMH#9
SDMH#8
SDMH#3
AD#12
AD#13
AD#14
18"SD RCP-CL3
18"SD RCP 16LF (E)
S=0.005 REPLACED
18"SD RCP-CL3 S=0.005 51LF
4+54.70 (43.6' RT) CONNECT TO EX.6"W
4+72.48 (26.0' RT) 6"W ANGLE PT.
FOUND: CONDUIT
8"W 25LF
FOUND: 3" GAS
RELOCATE
8"W 12LF
6"W 15LF
6"SD SDR35 19LF S=0.005
6"SD SDR35 21LF S=0.005
6"SD SDR35 Q10=0.27 CFS
6"SD 19LF
8LF 4"PERF.
FW (D)
ELEC.
PIPE
GAS
GM
POTHOLE 10" CLEAR 12"SDFL 37.20 (VERIFY) 8"SSFL 35.70
9"CLEAR 6"SDFL 37.35
6"CLEAR 6"SSFL 35.68
28LF
SS-PROFILE-3
SS-PROFILE-2
1+53.6 COUNTY SDMH#3 RIM 40.6± 18"FL 36.55 EX.12"FL 37.10
1+86.70 EX.6"FL
2+73.78 32.32'RT SIGNAL
2+98.51 (22'RT)
5+33.30 (21'RT)
5+33.80 EX.SDMH#4 RIM/TOP 40.75 PH: TOP 36.75 EX.18"FL 36.25
PH: EX.SD TOP 38.03 PH: EX.SD TOP 38.99
TRAFFIC